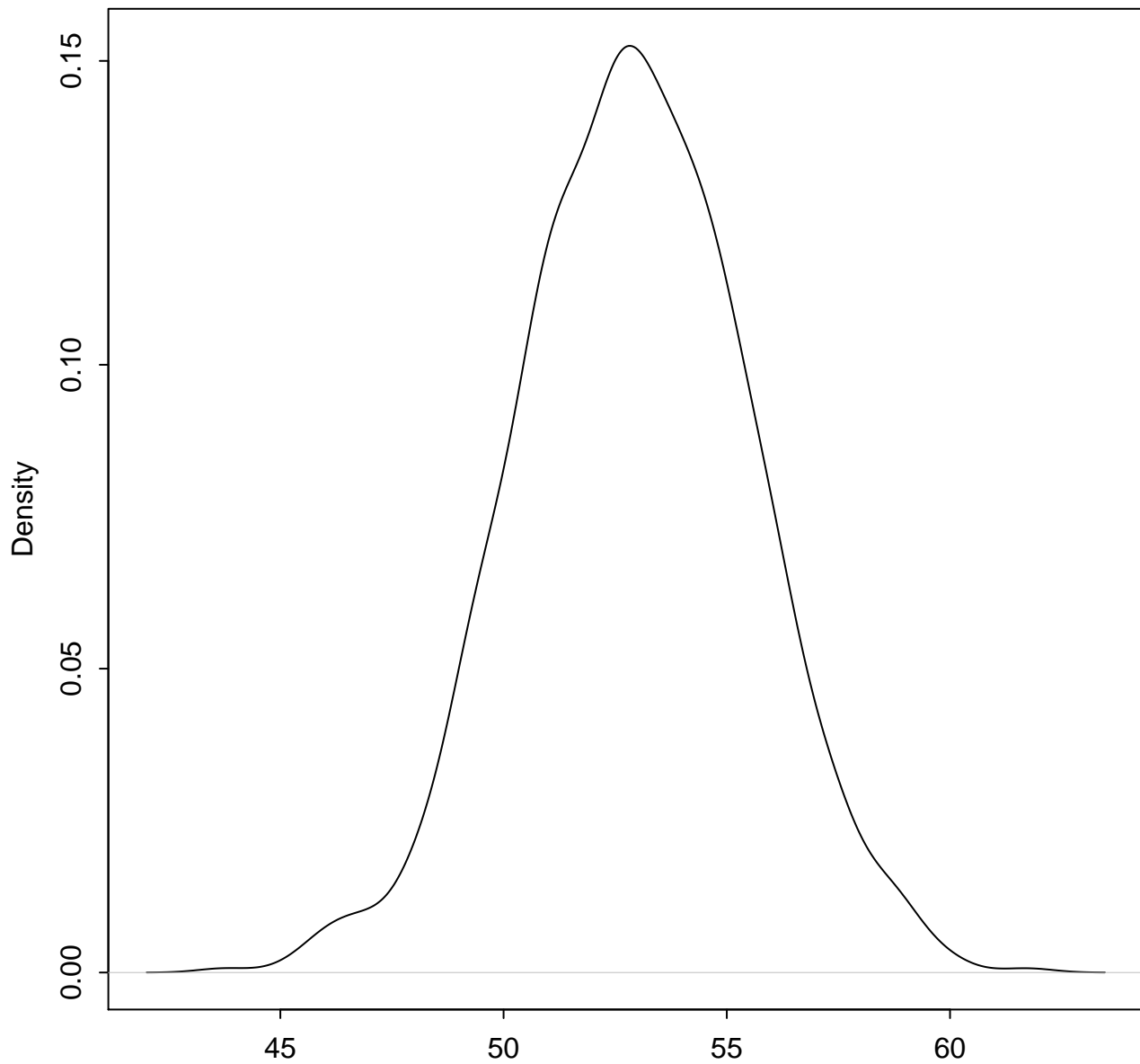
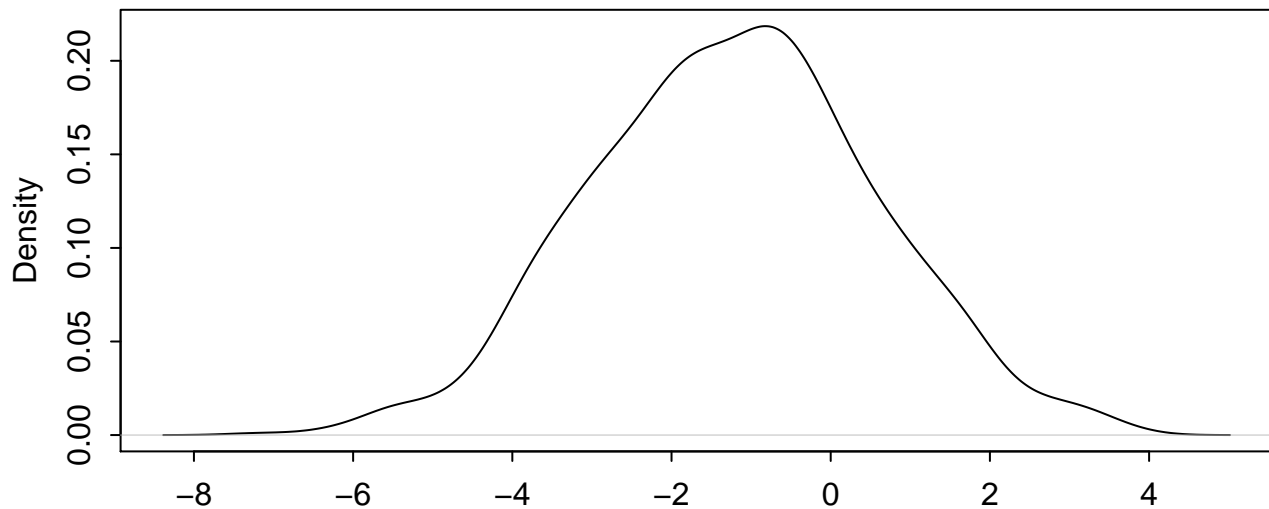


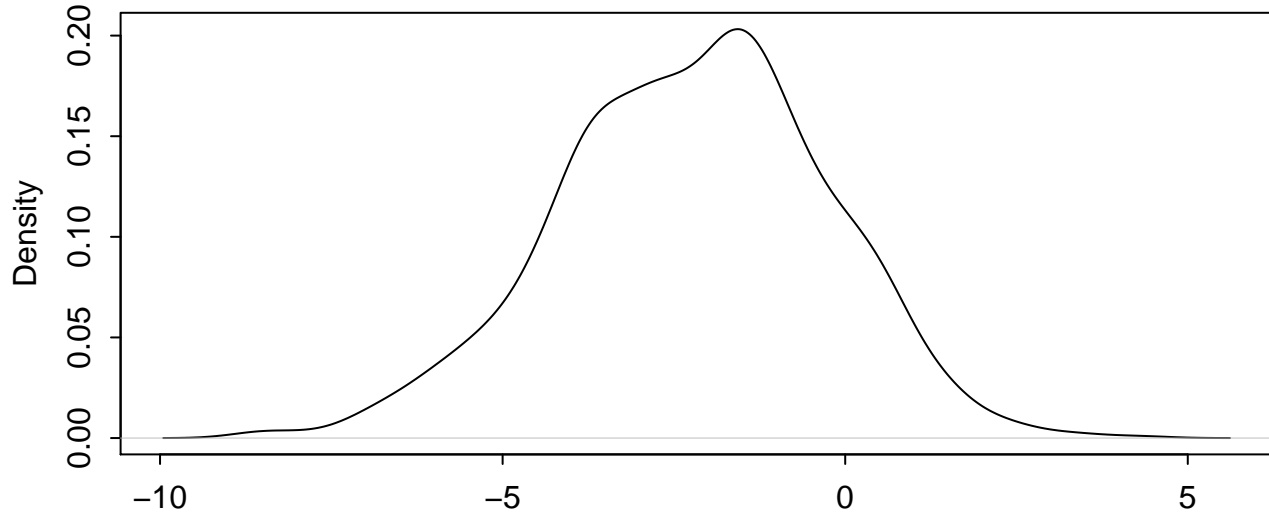
**Expected Values:  $E(Y|X)$**



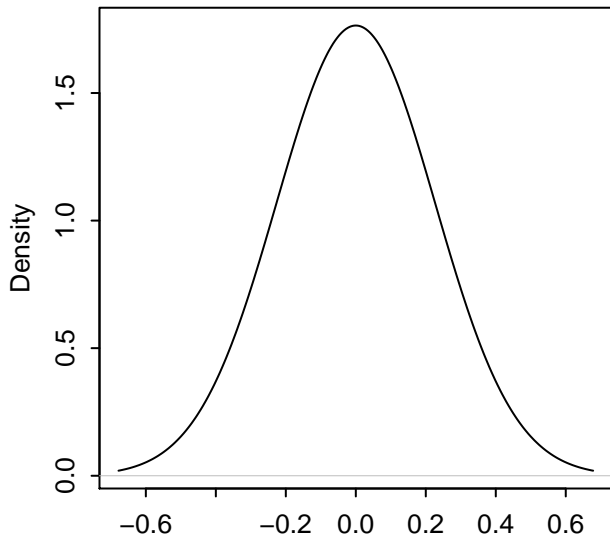
**Expected Values:  $E(Y|X)$**



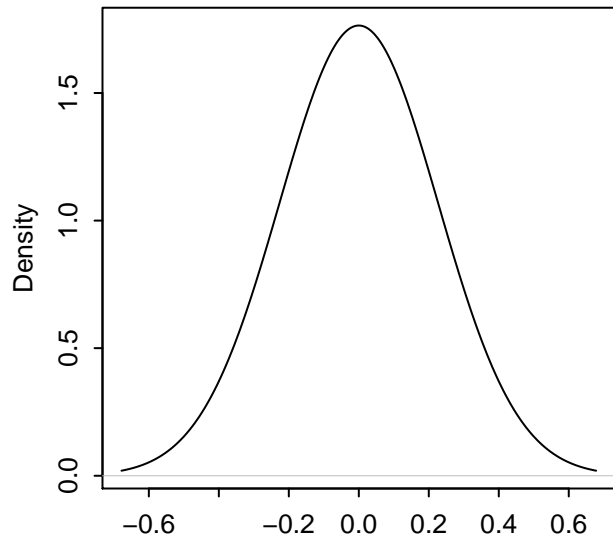
**Expected Values:  $E(Y|X)$**



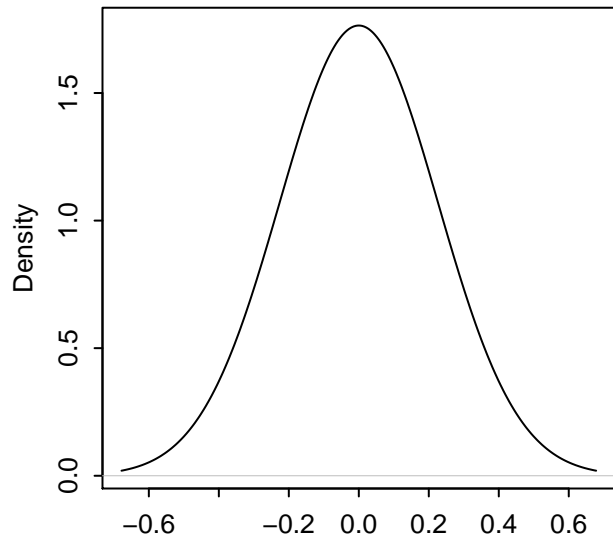
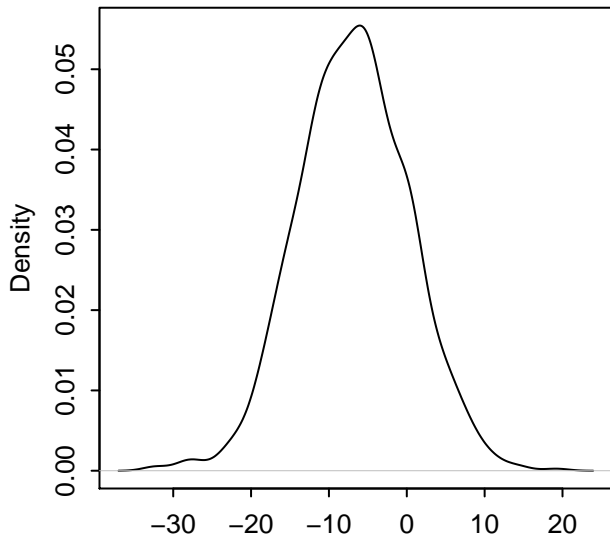
**Expected Values:  $E(Y|X)$**

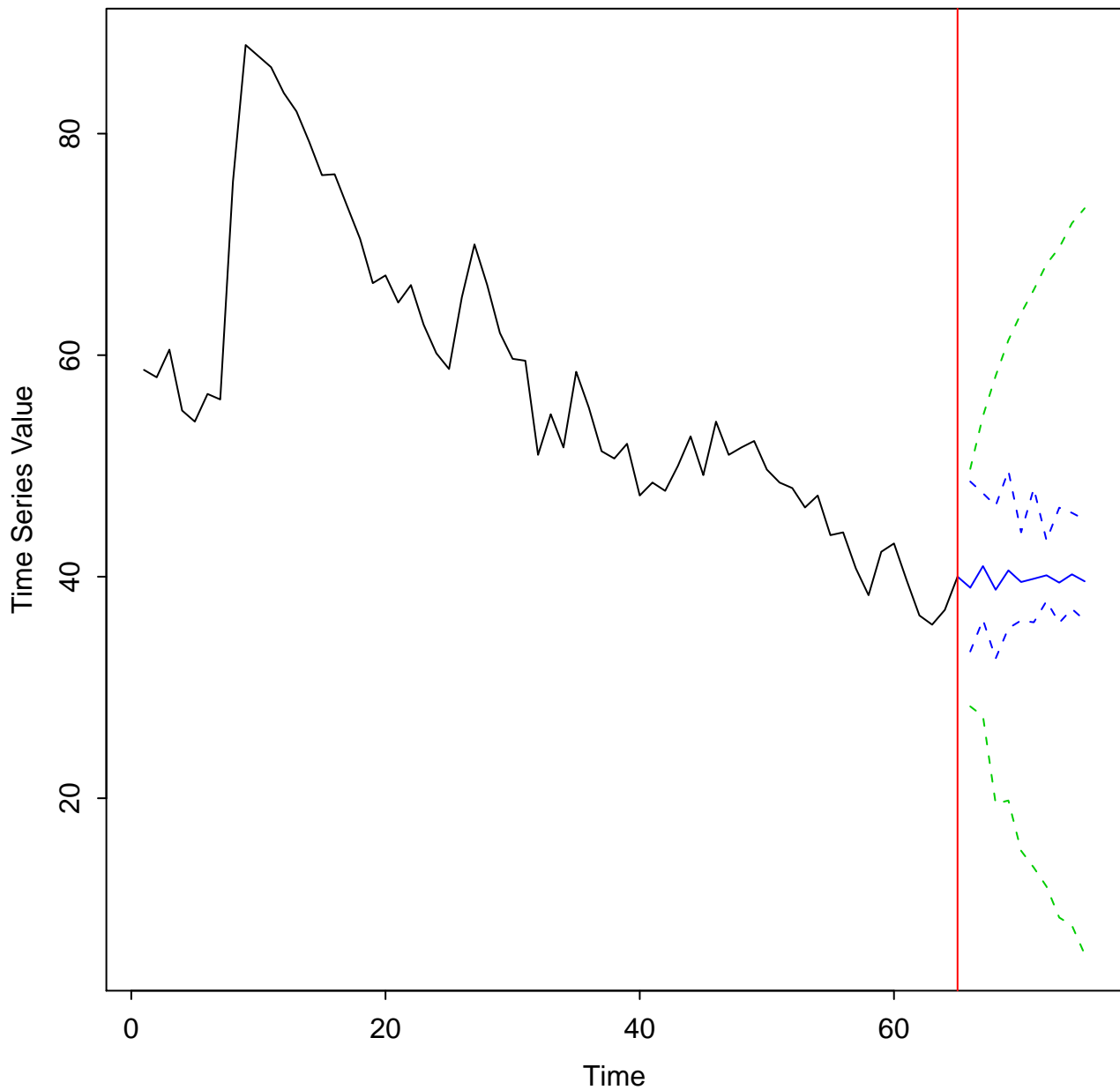


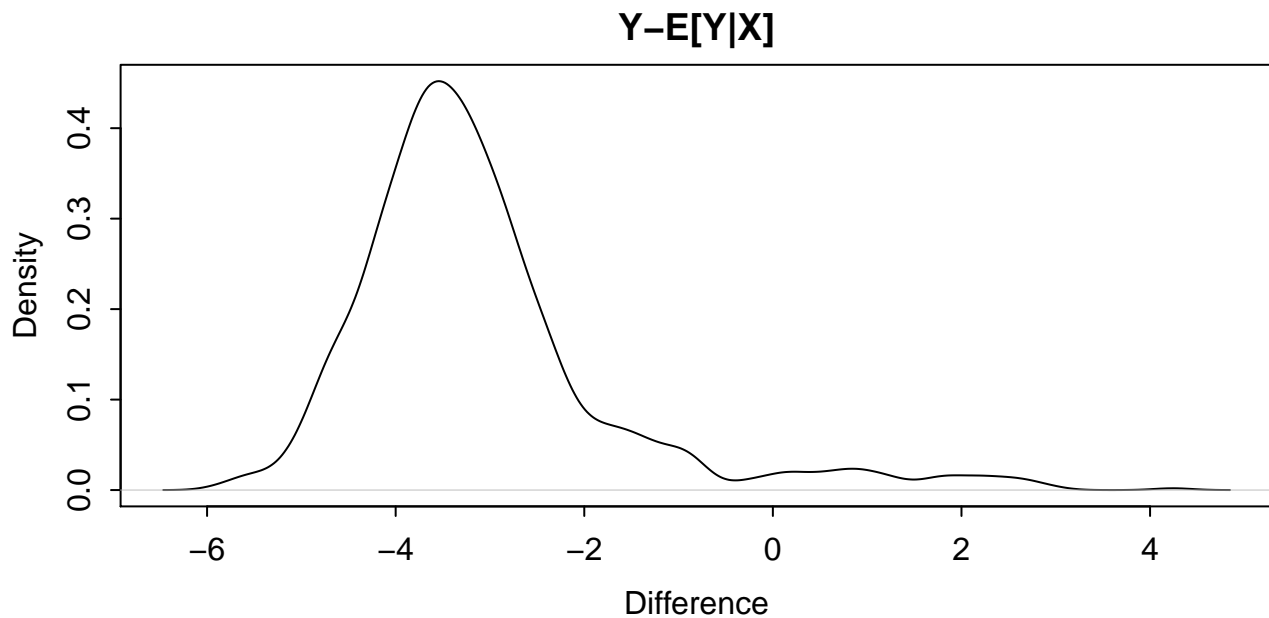
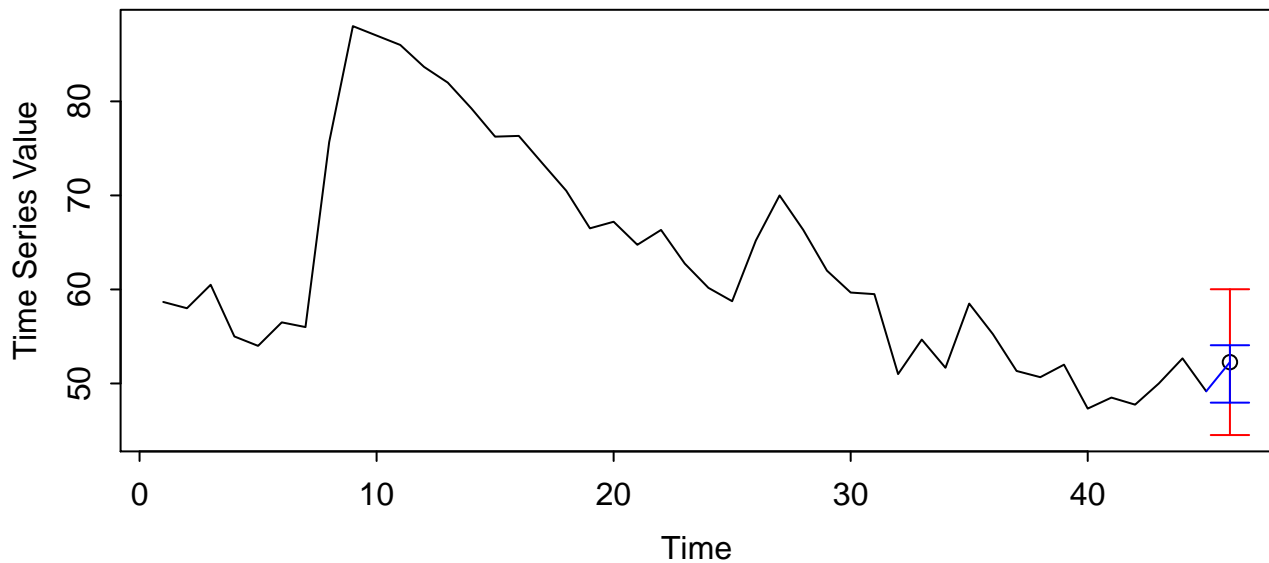
**Expected Values:  $E(Y|X)$**

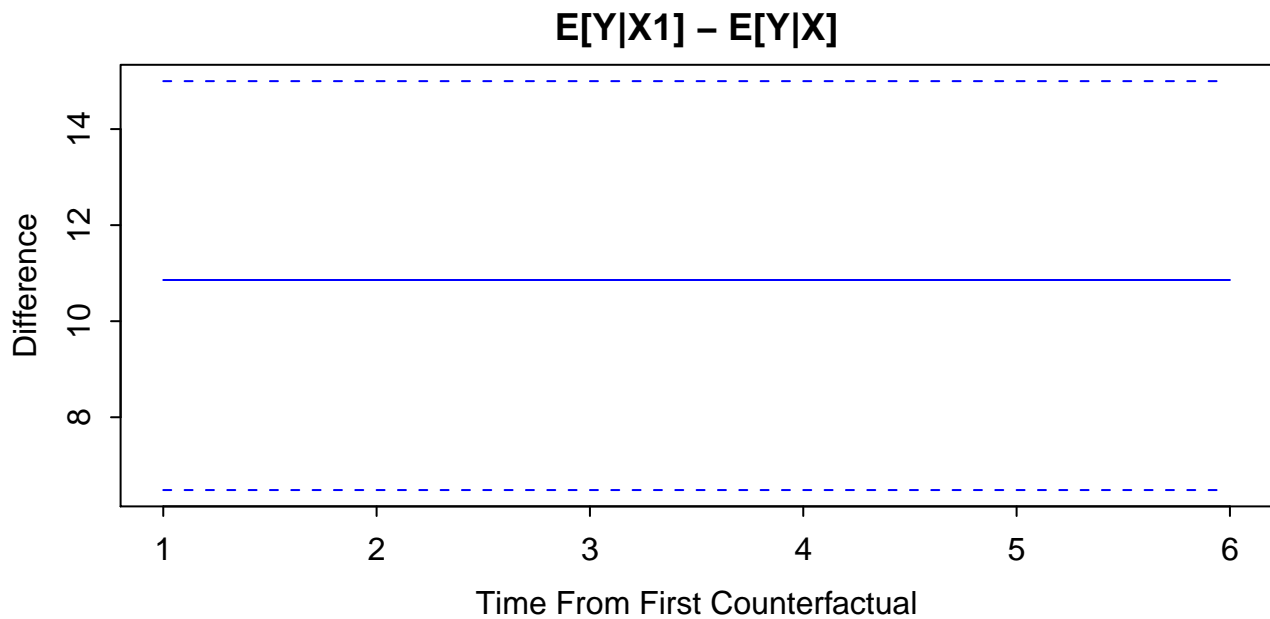
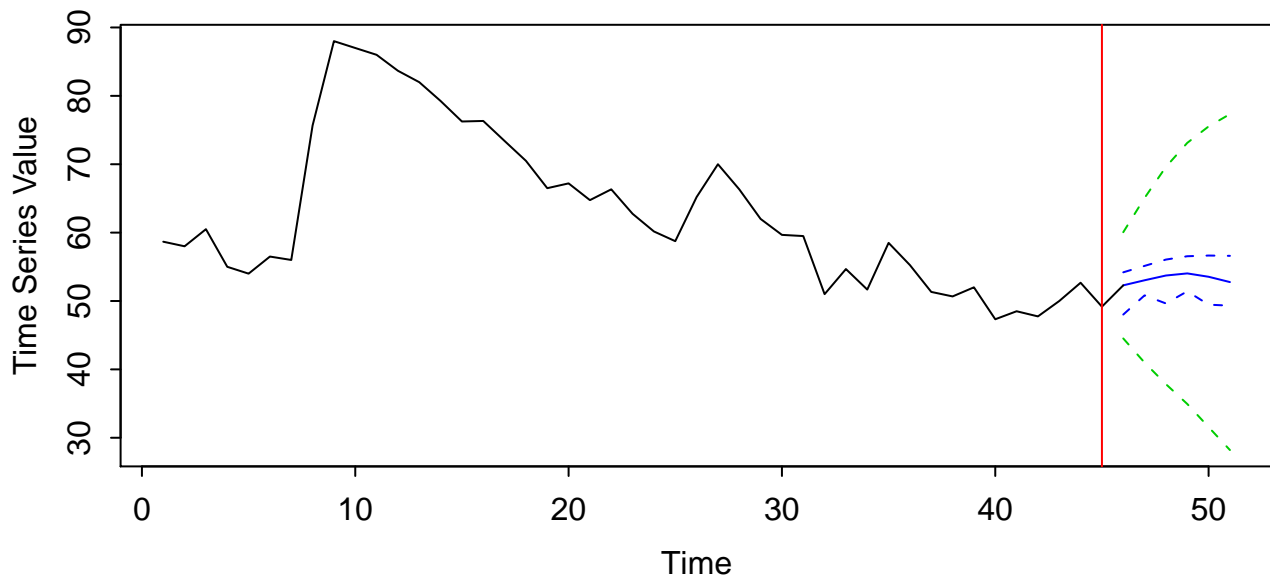


**First Differences in Expected Values:  $E(Y|X_1)$**

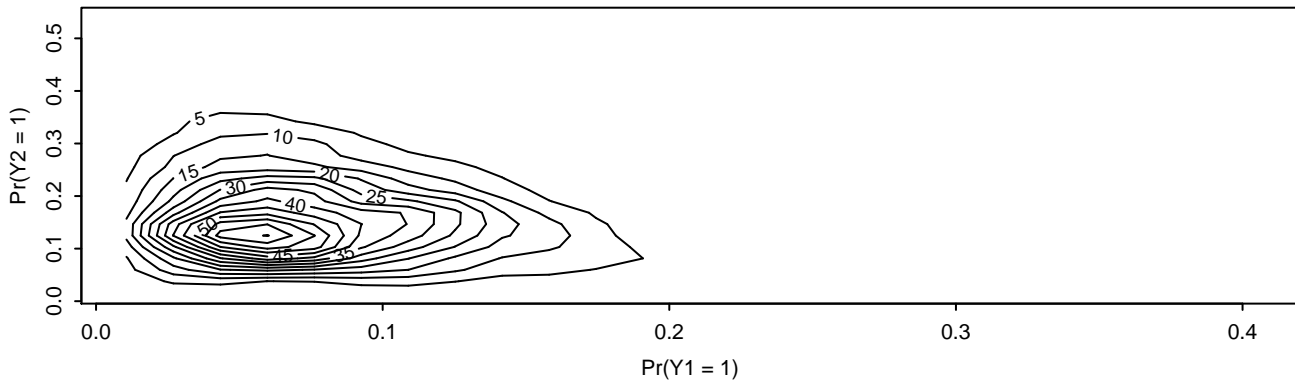




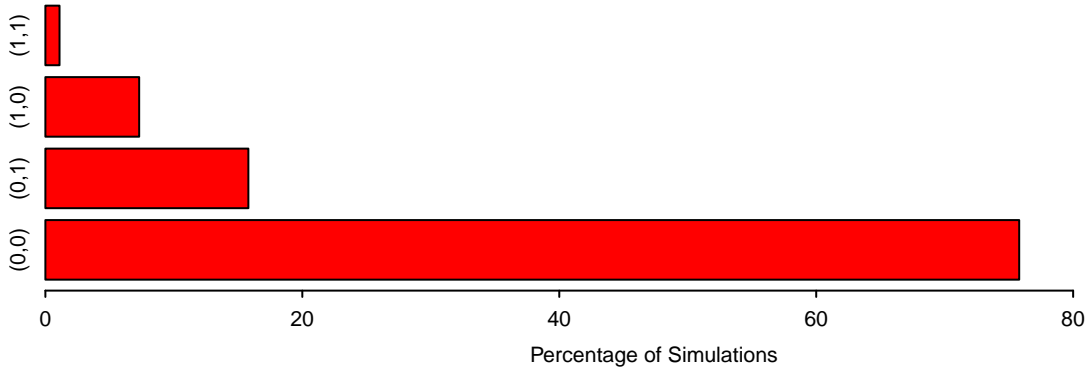




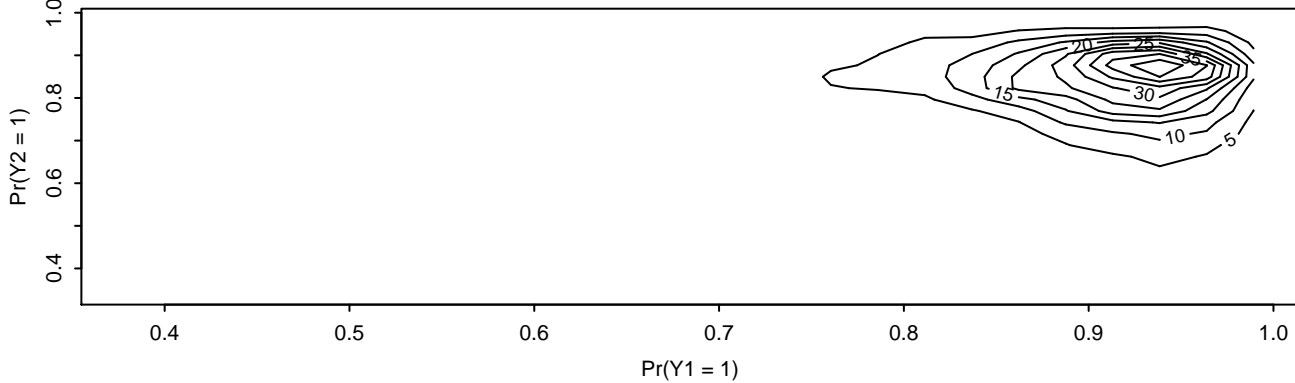
**Predicted Probabilities:  $\Pr(Y1=k, Y2=l|X)$**



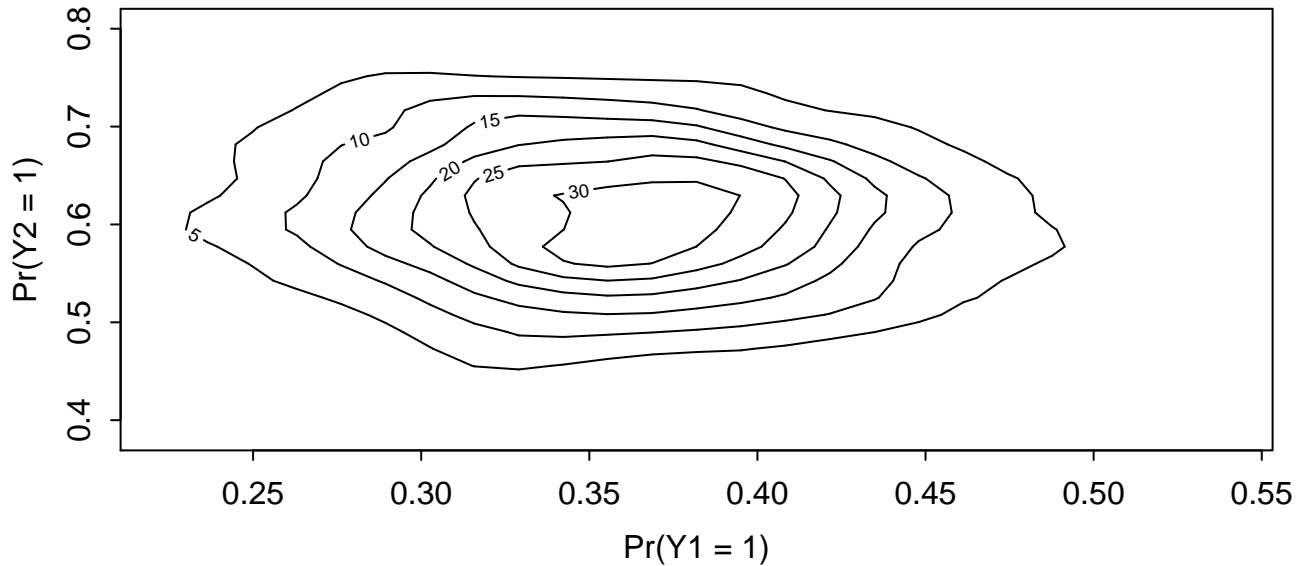
**Predicted Values:  $(Y1, Y2)|X$**



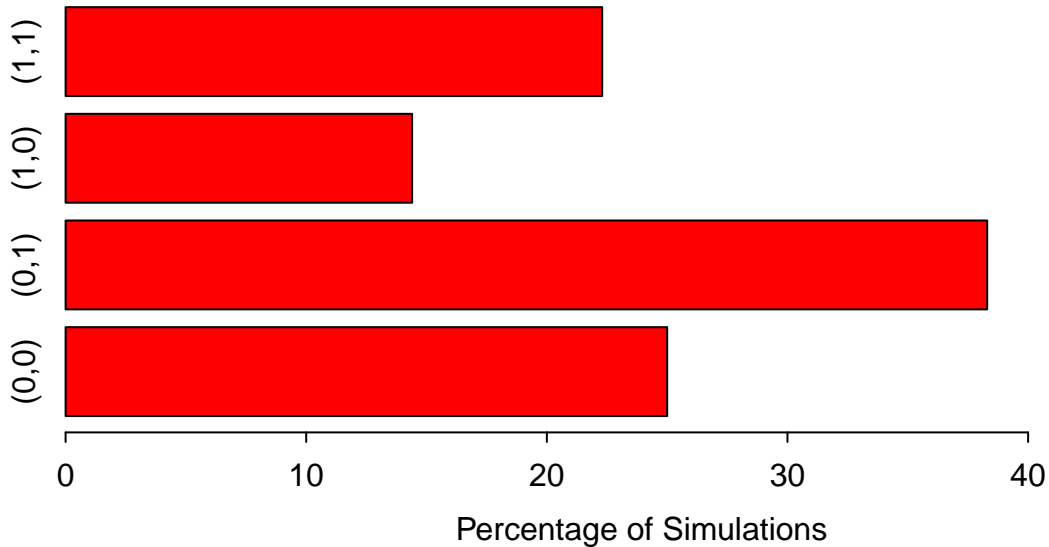
**First Differences:  $\Pr(Y1=k, Y2=l|X1) - \Pr(Y1=k, Y2=l|X)$**



**Predicted Probabilities:  $\Pr(Y1=k, Y2=l|X)$**

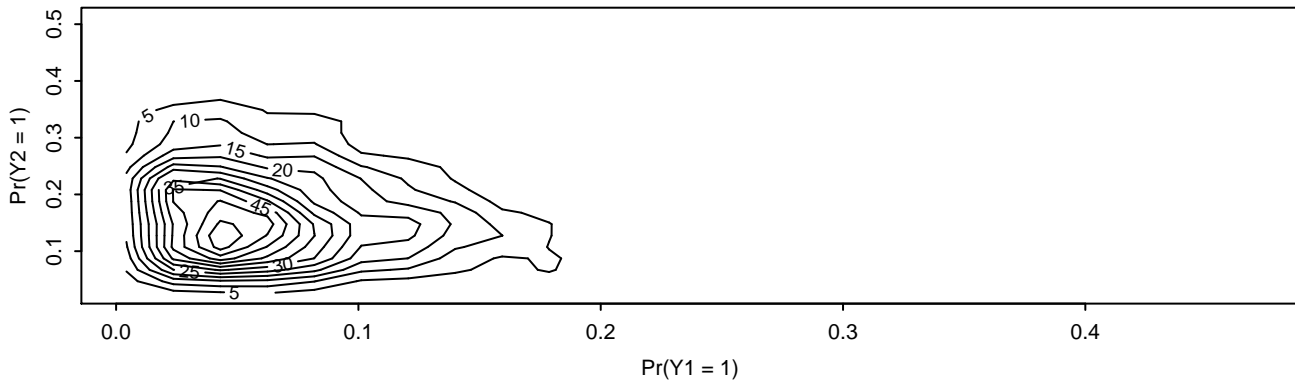


**Predicted Values:  $(Y1, Y2)|X$**

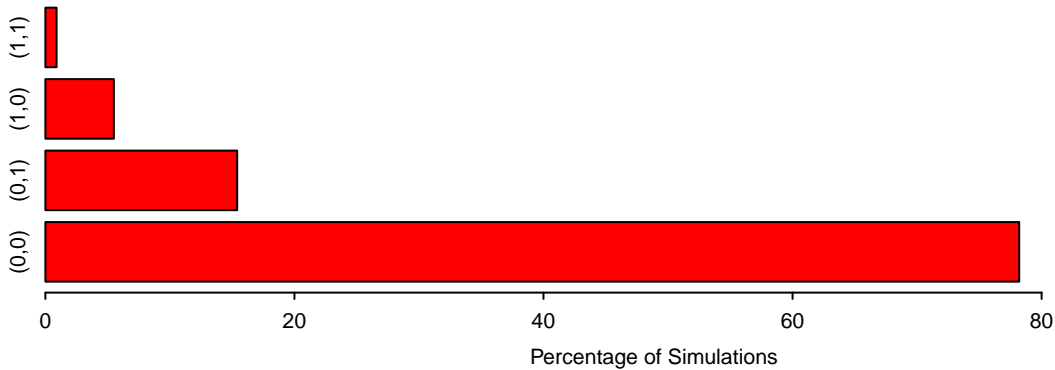




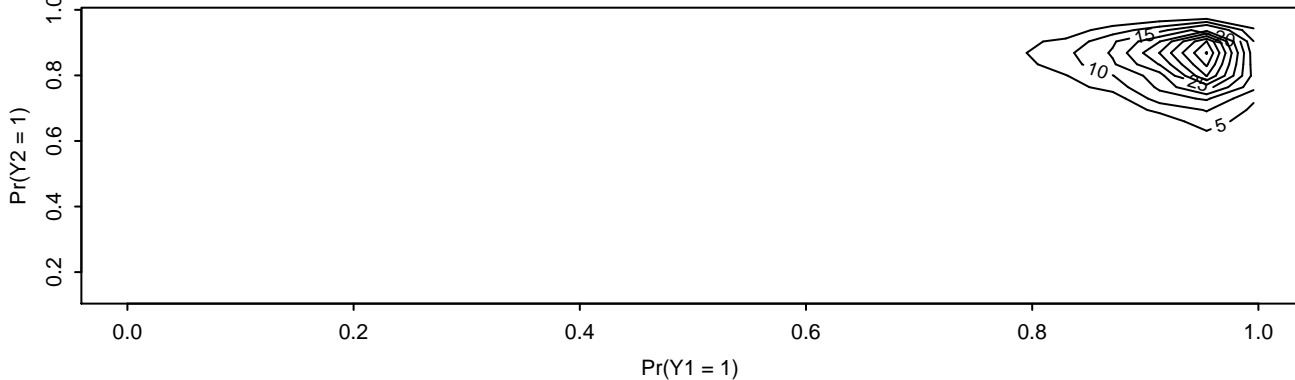
**Predicted Probabilities:  $\Pr(Y1=k, Y2=l|X)$**



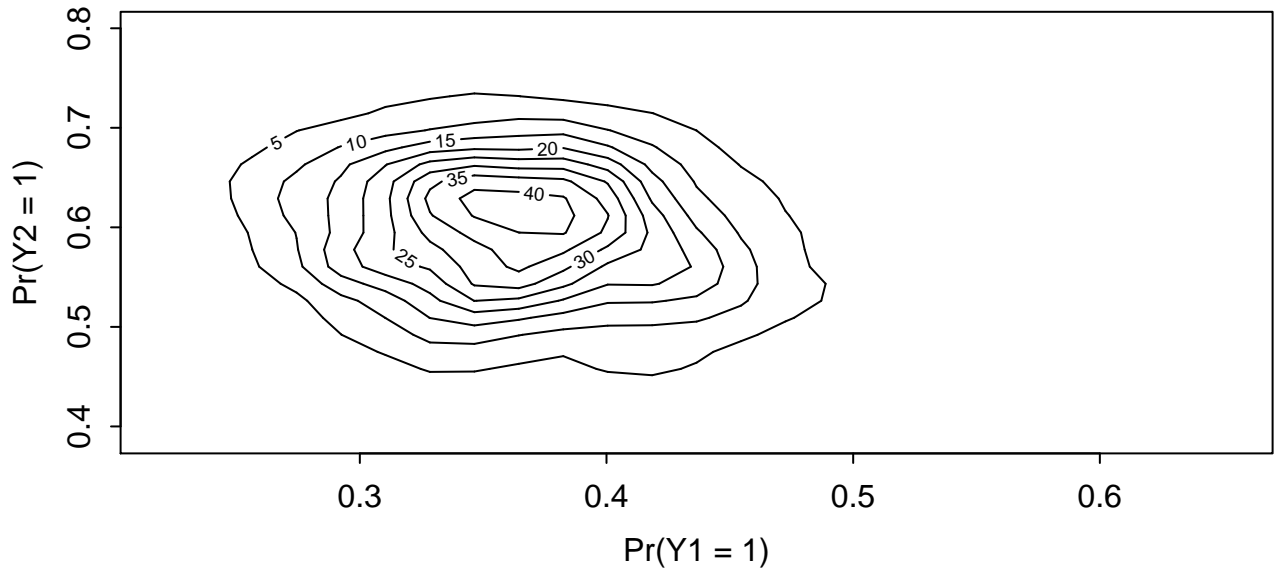
**Predicted Values:  $(Y1, Y2)|X$**



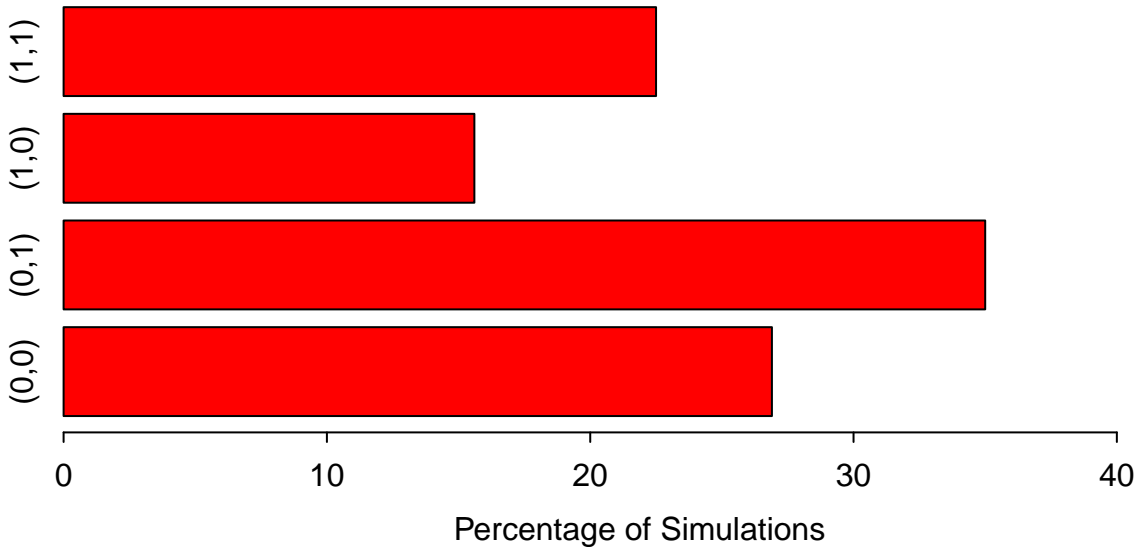
**First Differences:  $\Pr(Y1=k, Y2=l|X1) - \Pr(Y1=k, Y2=l|X)$**



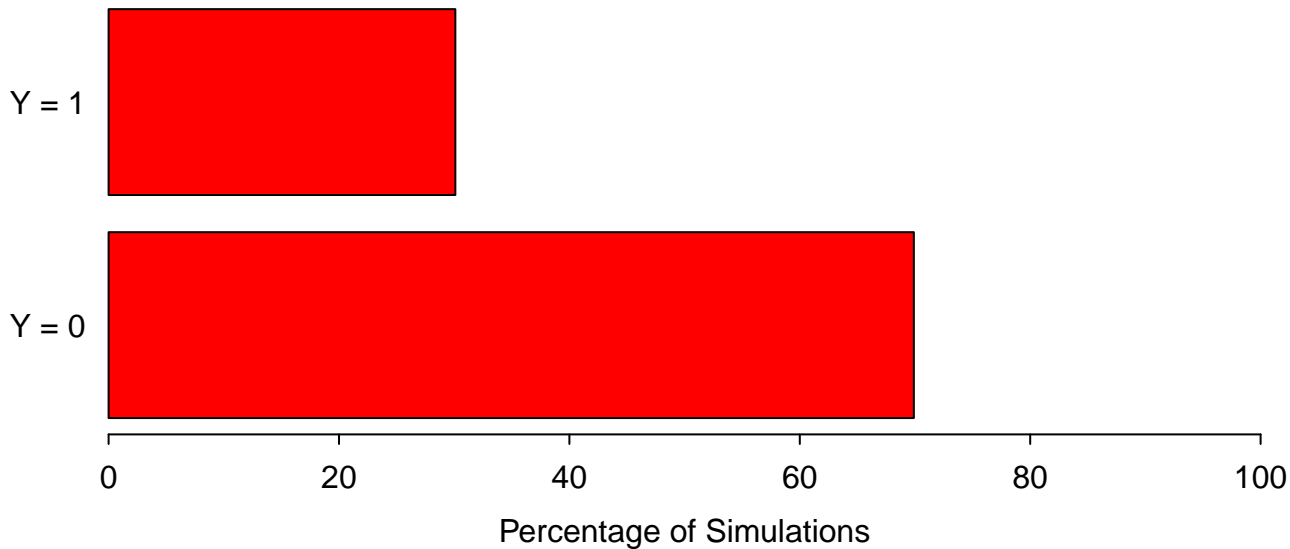
**Predicted Probabilities:  $\Pr(Y1=k, Y2=l|X)$**



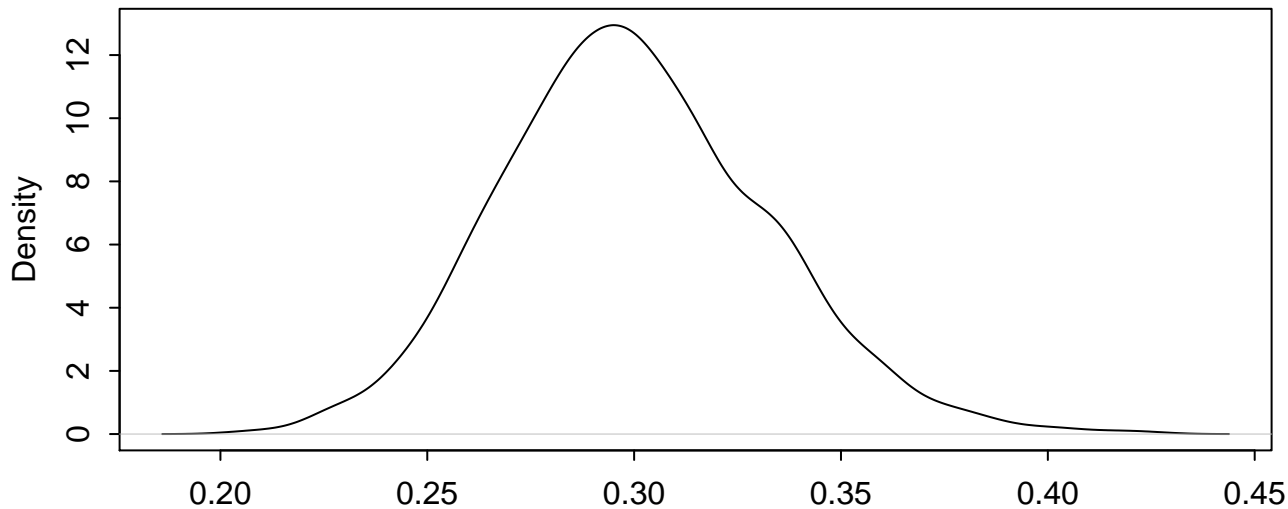
**Predicted Values:  $(Y1, Y2)|X$**



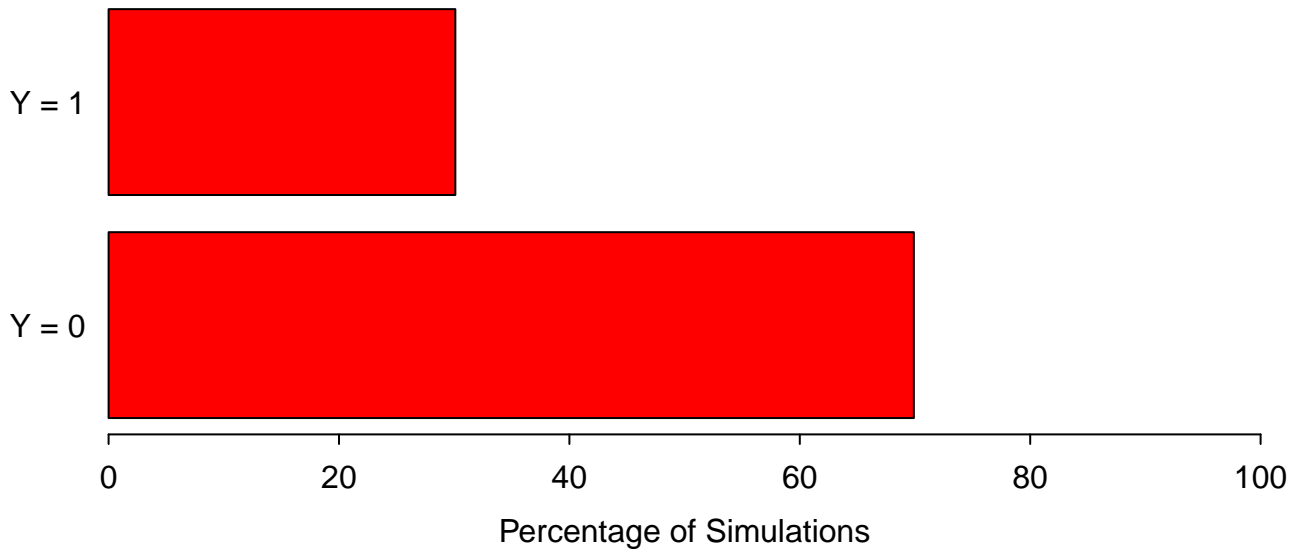
## Predicted Values: $Y|X$



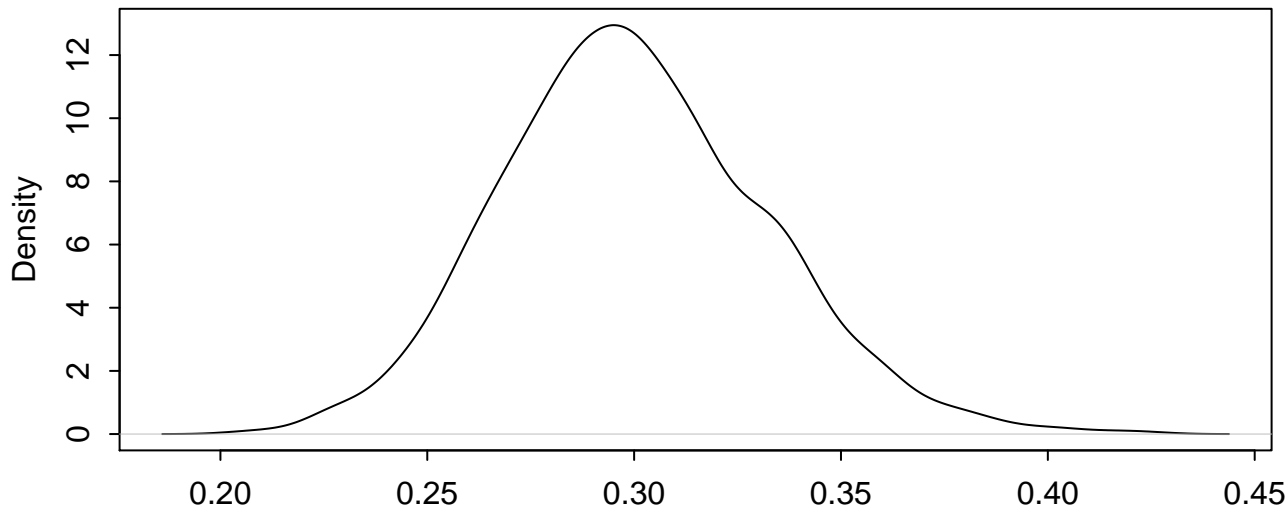
## Expected Values: $E(Y|X)$



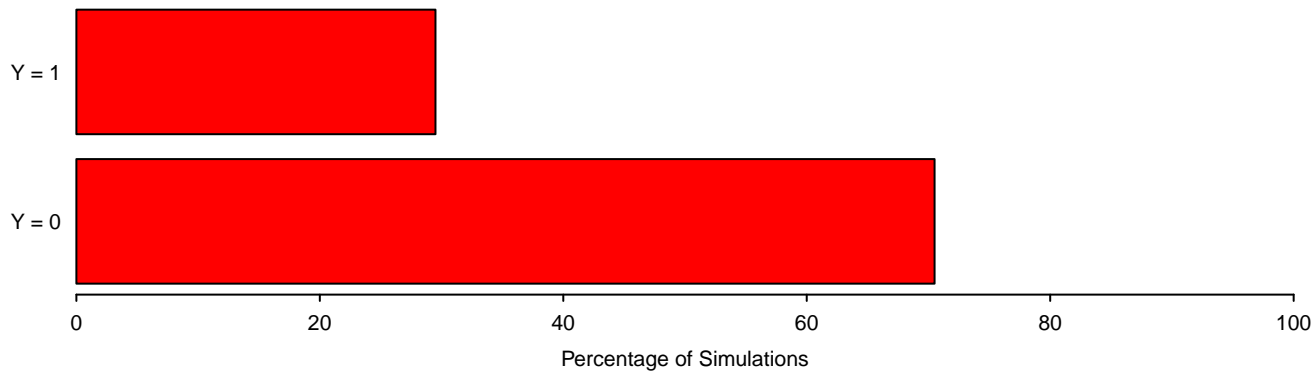
## Predicted Values: $Y|X$



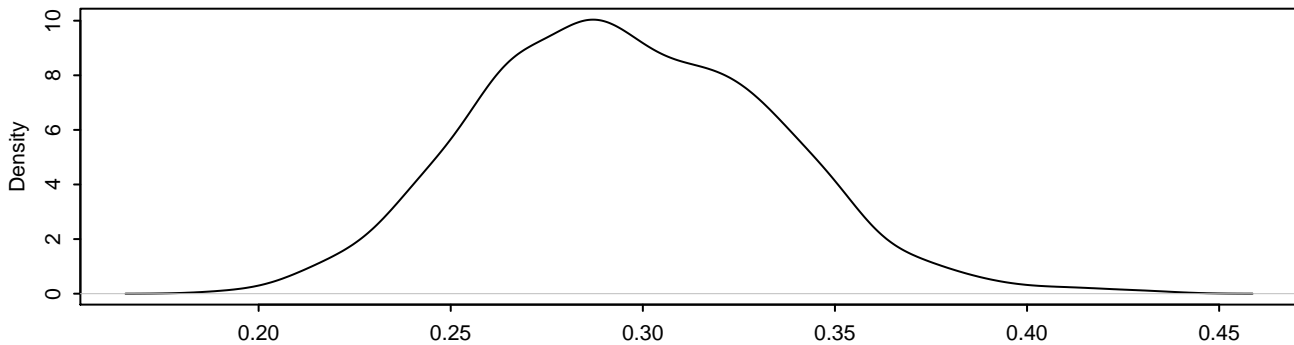
## Expected Values: $E(Y|X)$



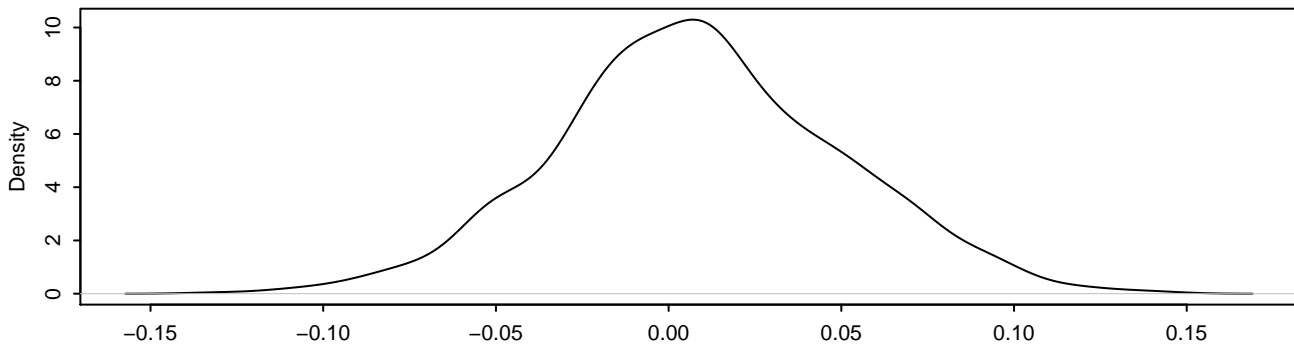
**Predicted Values:  $Y|X$**



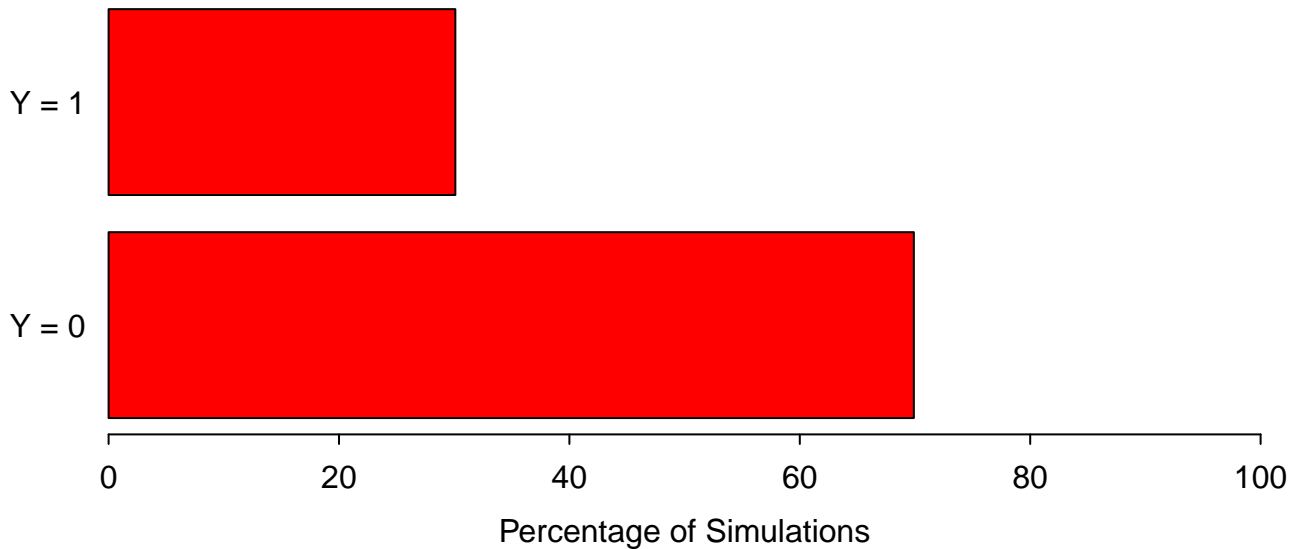
**Expected Values:  $E(Y|X)$**



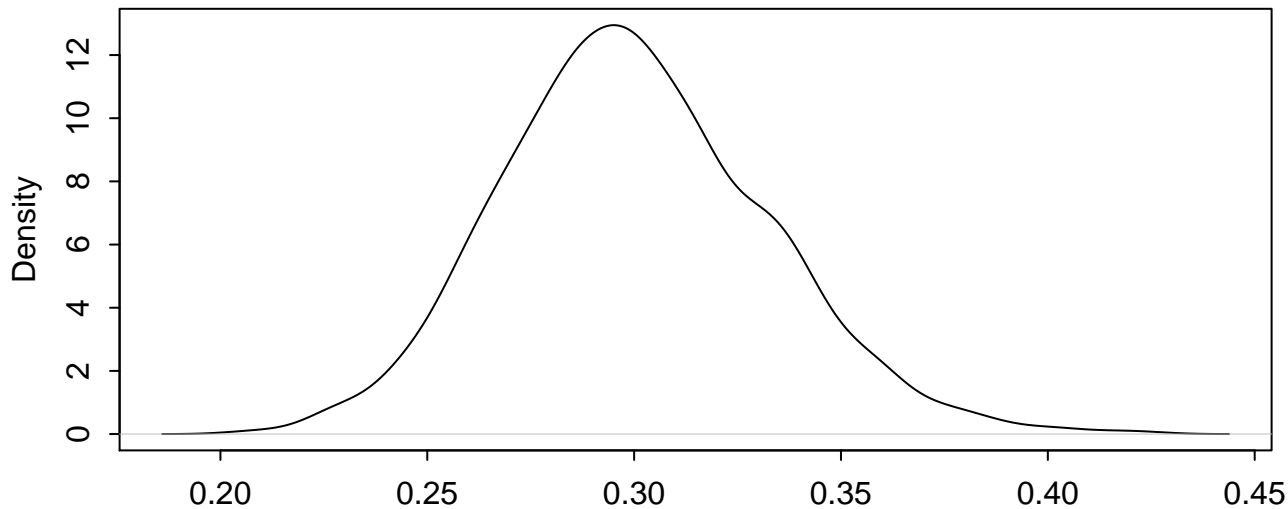
**First Differences in Expected Values:  $E(Y|X_1) - E(Y|X)$**



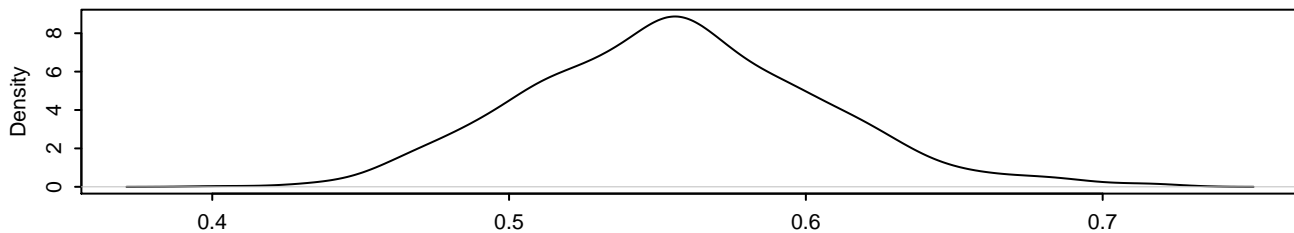
## Predicted Values: $Y|X$



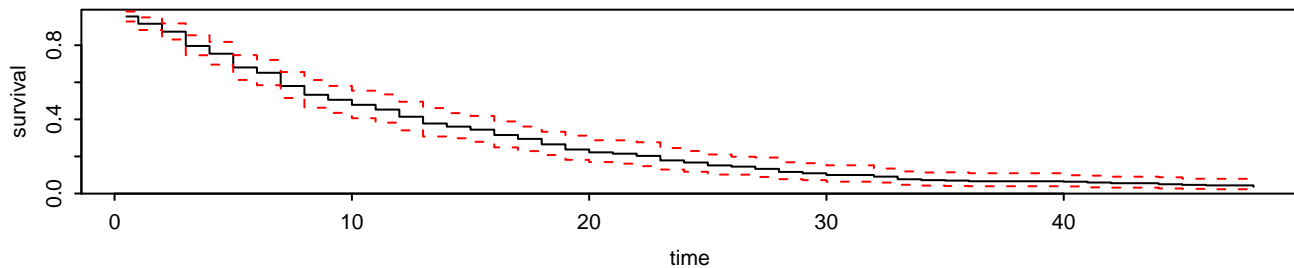
## Expected Values: $E(Y|X)$



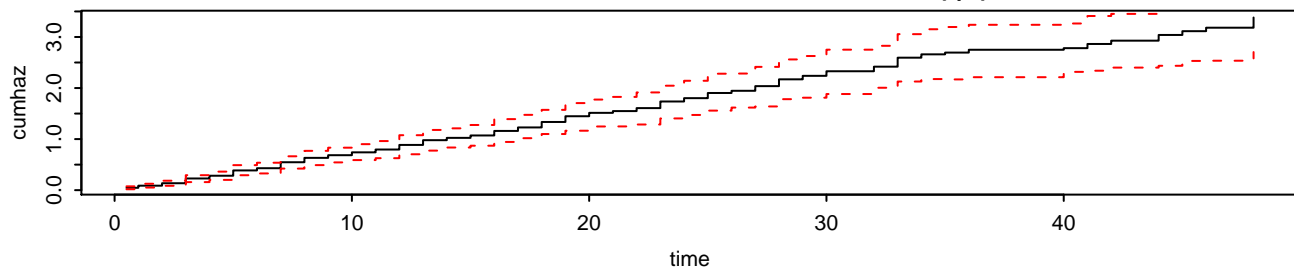
**Hazard Ratios:  $h(t|X1)/h(t|X)$**



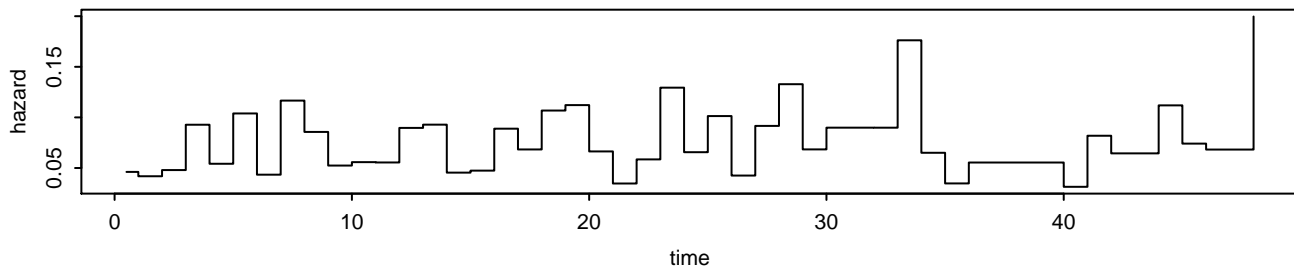
**Estimated Survival Function Over Time:  $S(t|X)$**



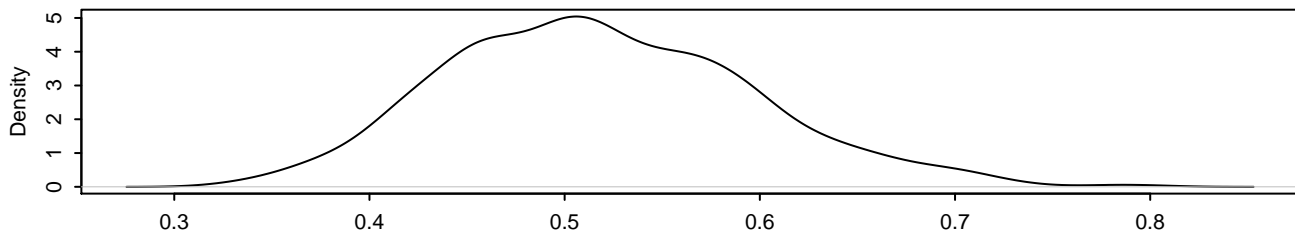
**Estimated Cumulative Hazard Over Time:  $H(t|X)$**



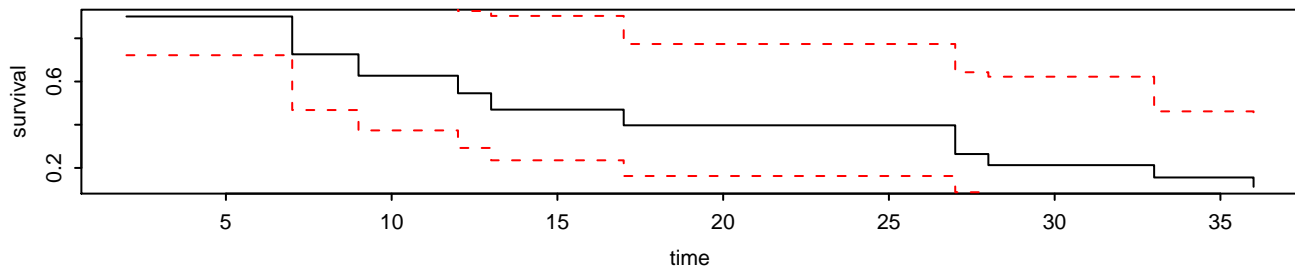
**Estimated Hazard Rate Over Time:  $h(t|X)$**



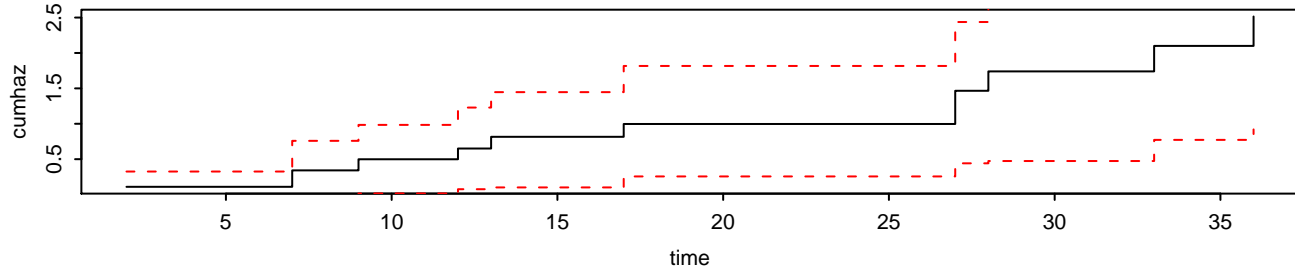
**Hazard Ratios:  $h(t|X1)/h(t|X)$**



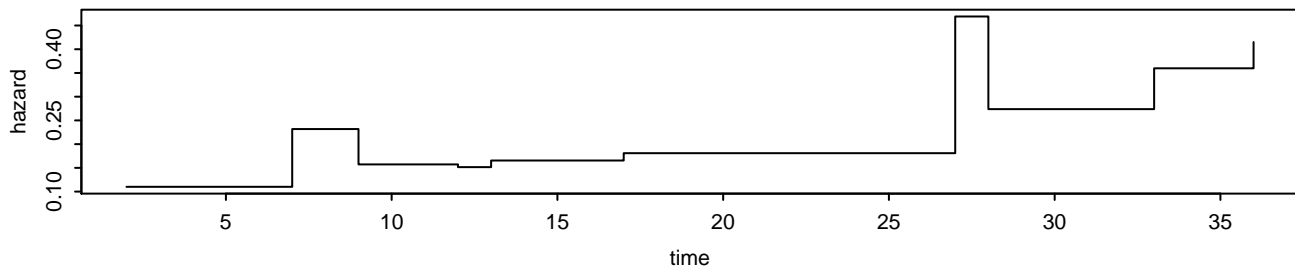
**Estimated Survival Function Over Time:  $S(t|X)$**



**Estimated Cumulative Hazard Over Time:  $H(t|X)$**

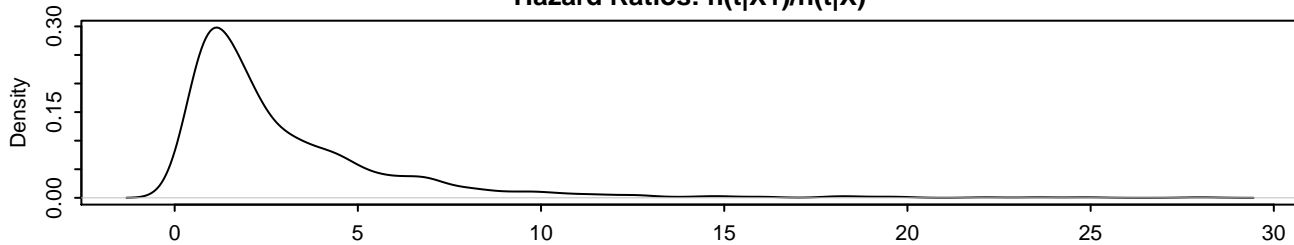


**Estimated Hazard Rate Over Time:  $h(t|X)$**

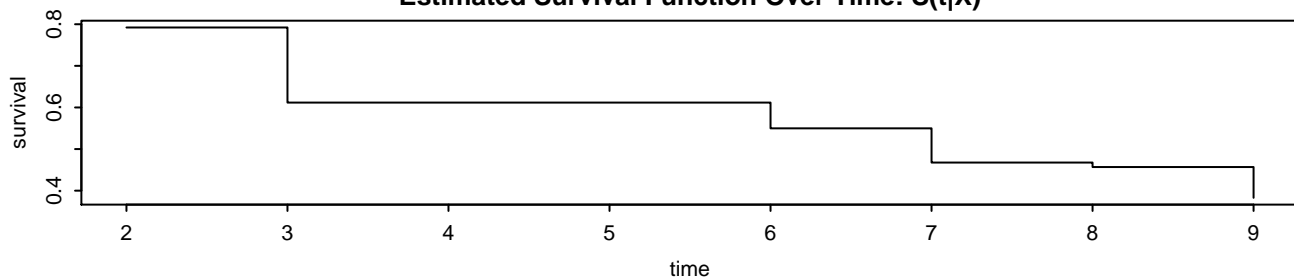




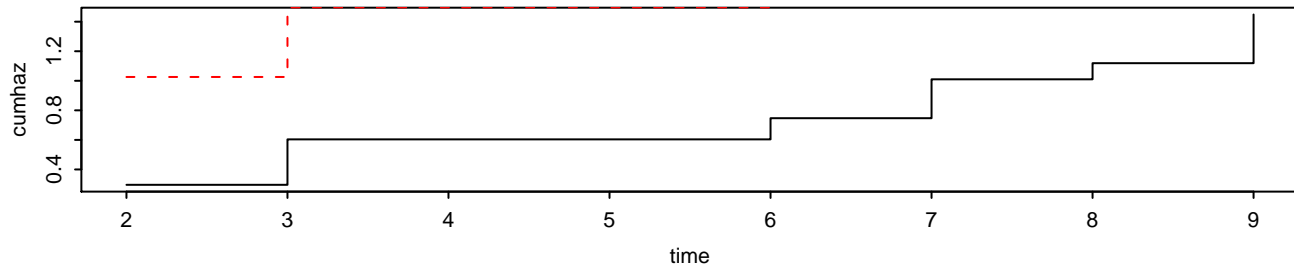
**Hazard Ratios:  $h(t|X_1)/h(t|X)$**



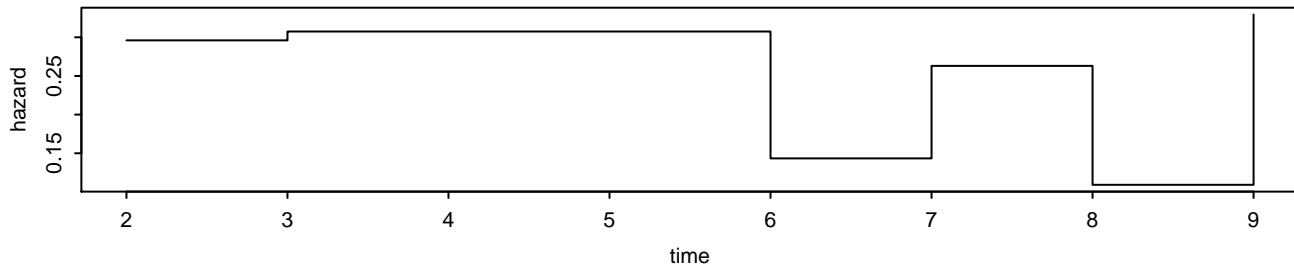
**Estimated Survival Function Over Time:  $S(t|X)$**



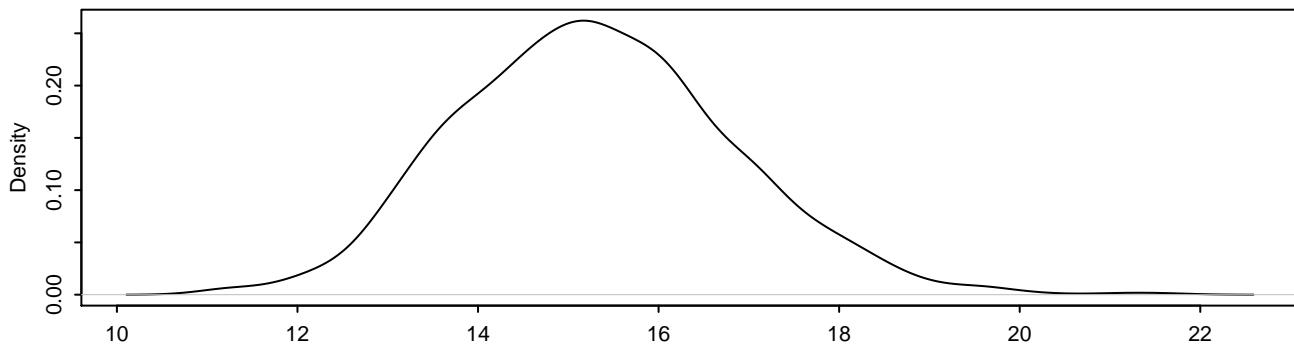
**Estimated Cumulative Hazard Over Time:  $H(t|X)$**



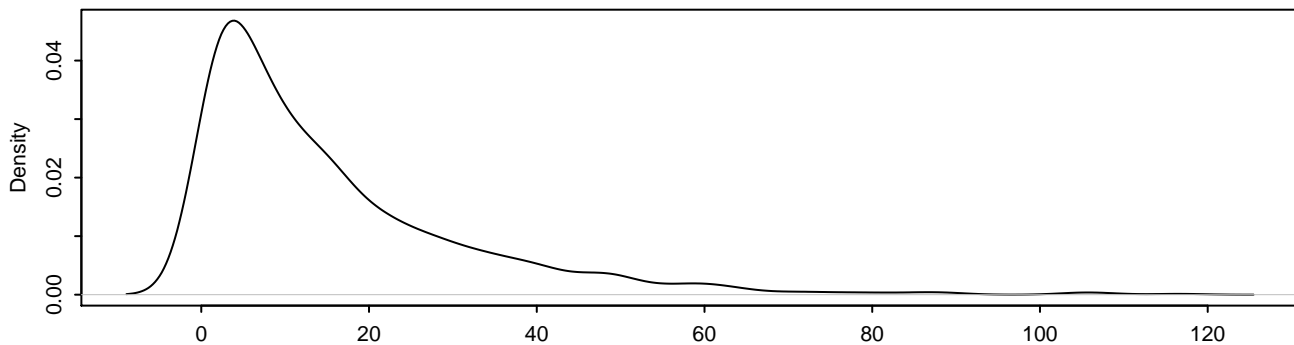
**Estimated Hazard Rate Over Time:  $h(t|X)$**



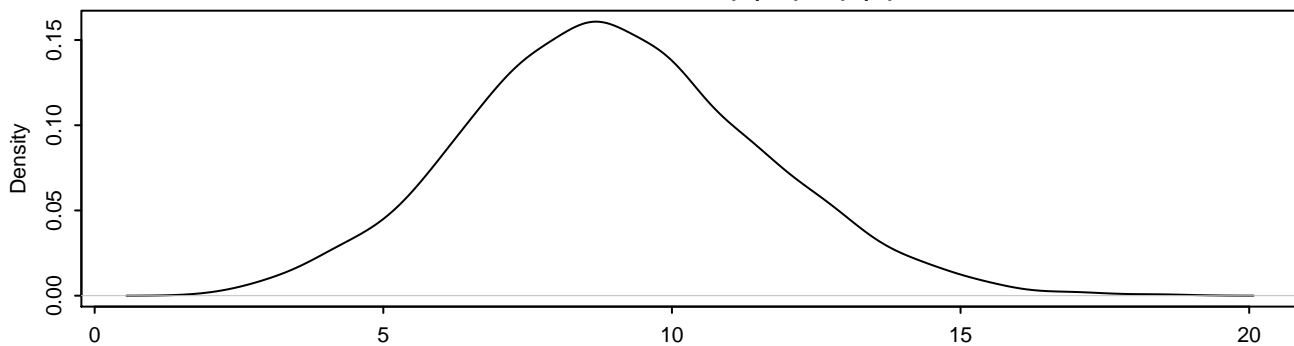
**Expected Values:  $E(Y|X)$**



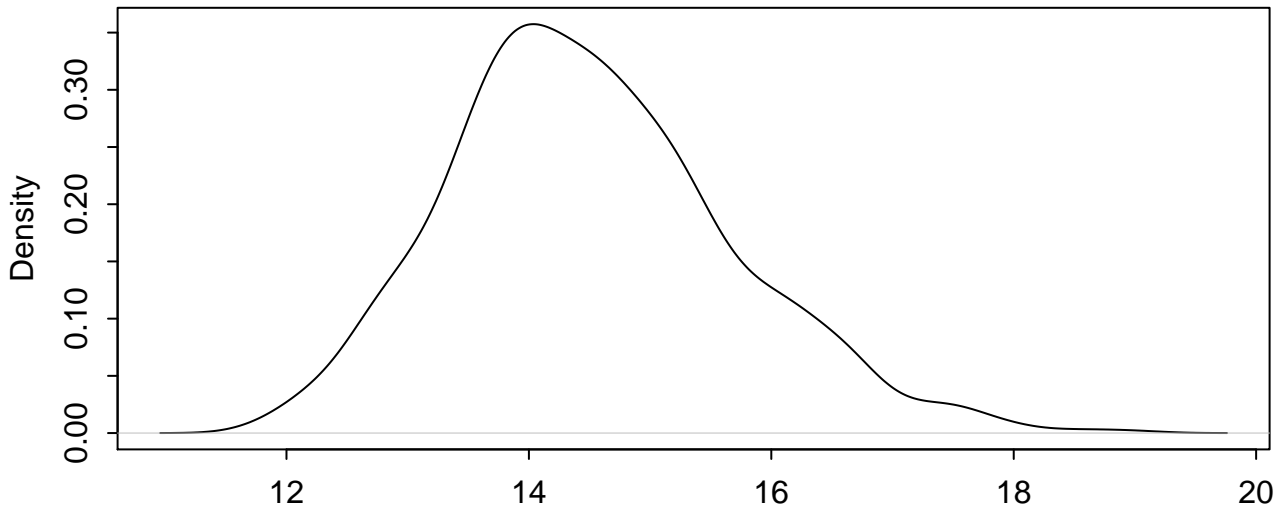
**Predicted Values:  $Y|X$**



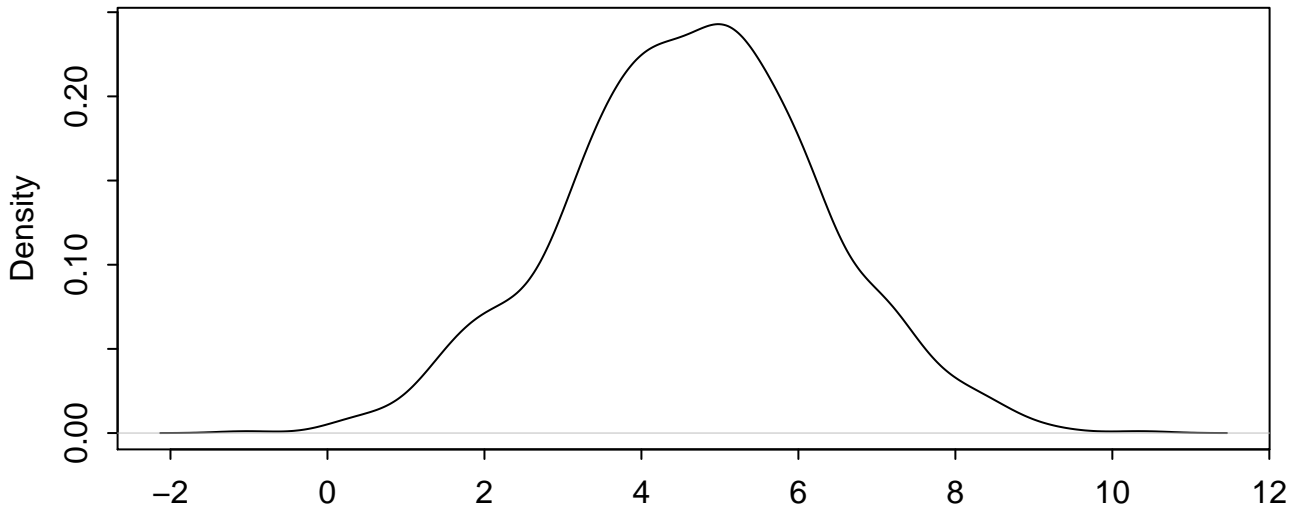
**First Differences:  $E(Y|X_1) - E(Y|X)$**



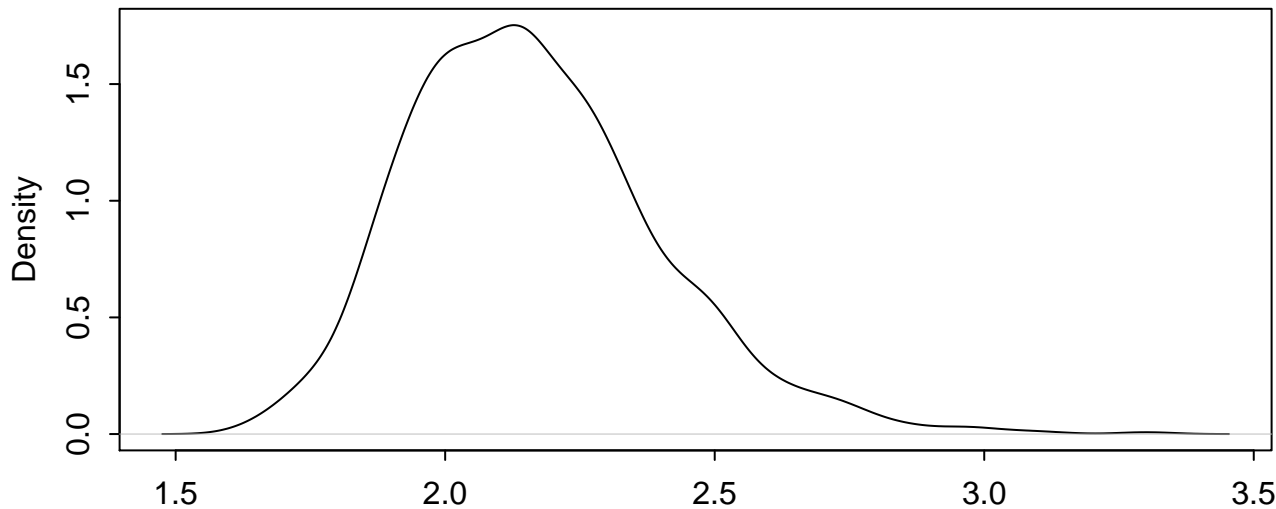
**Expected Values:  $E(Y|X)$**



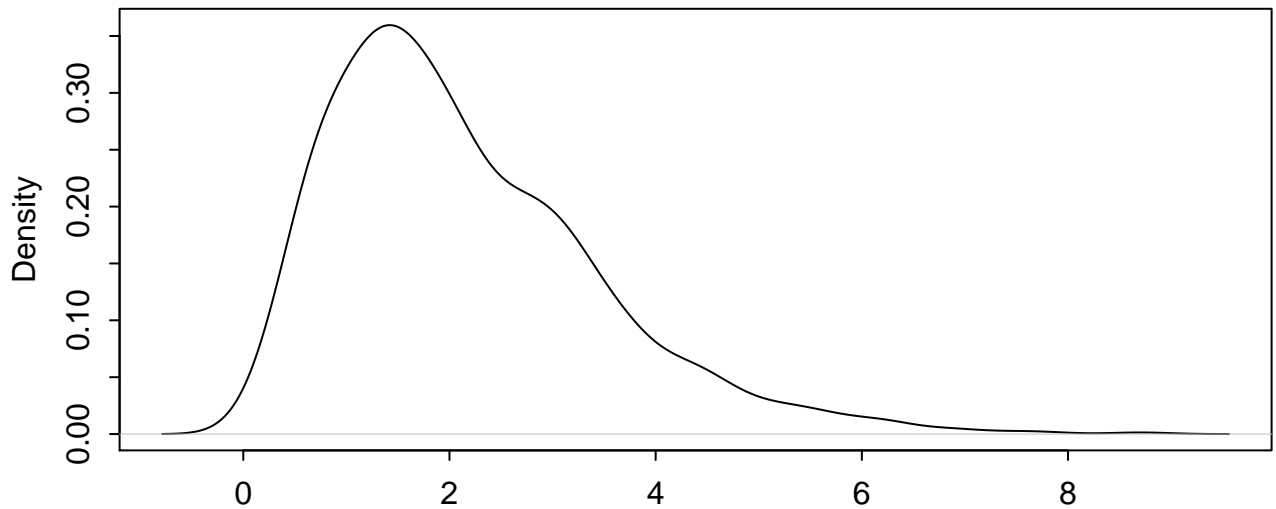
**First Differences in Expected Values:  $E(Y|X_1) - E(Y|X)$**



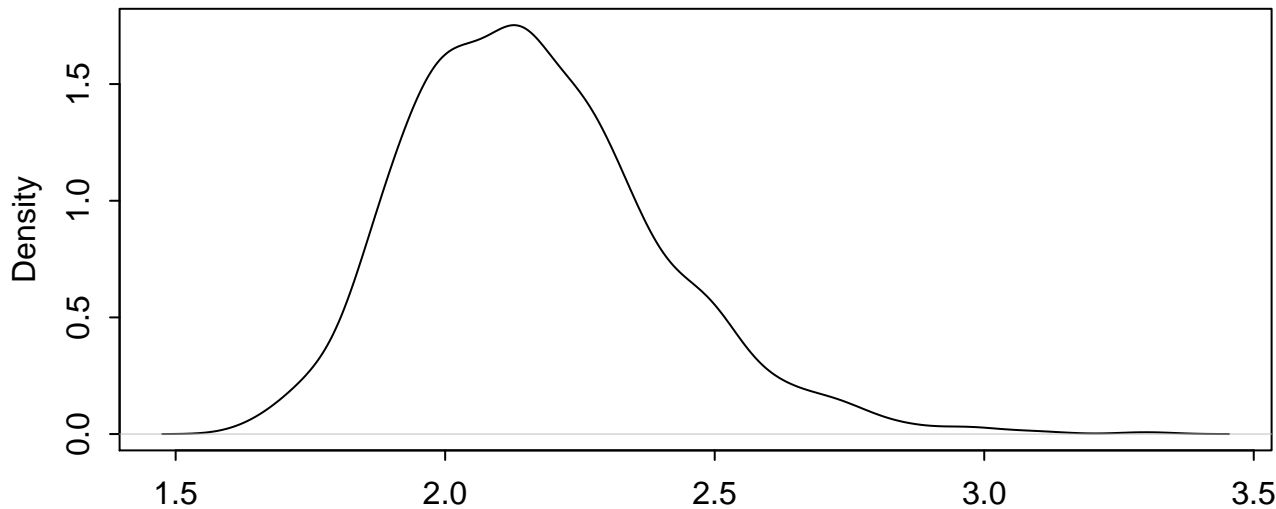
**Expected Values:  $E(Y|X)$**



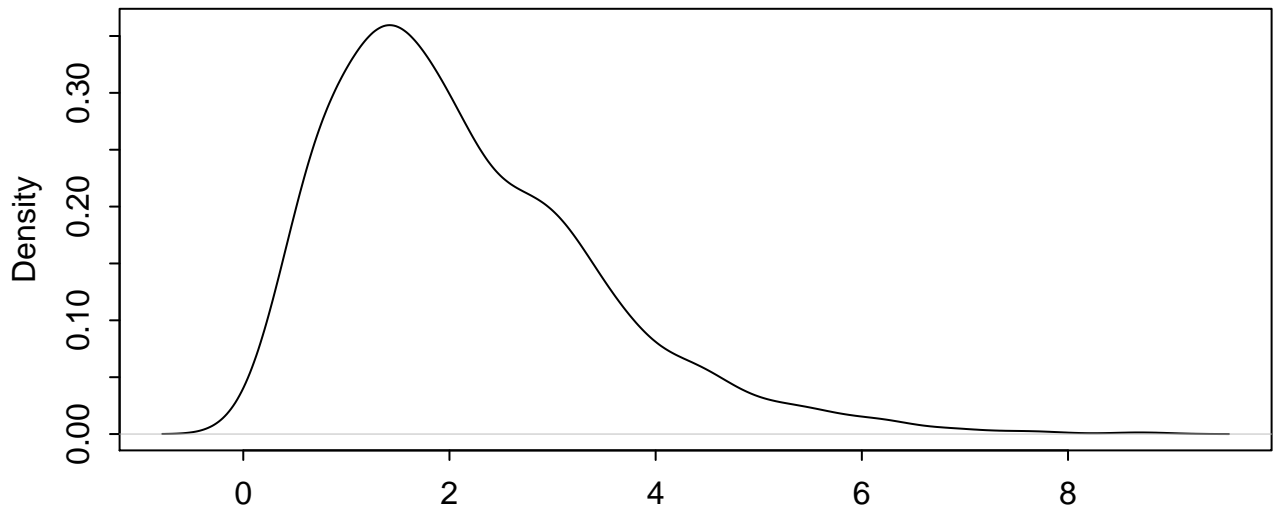
**Predicted Values:  $Y|X$**



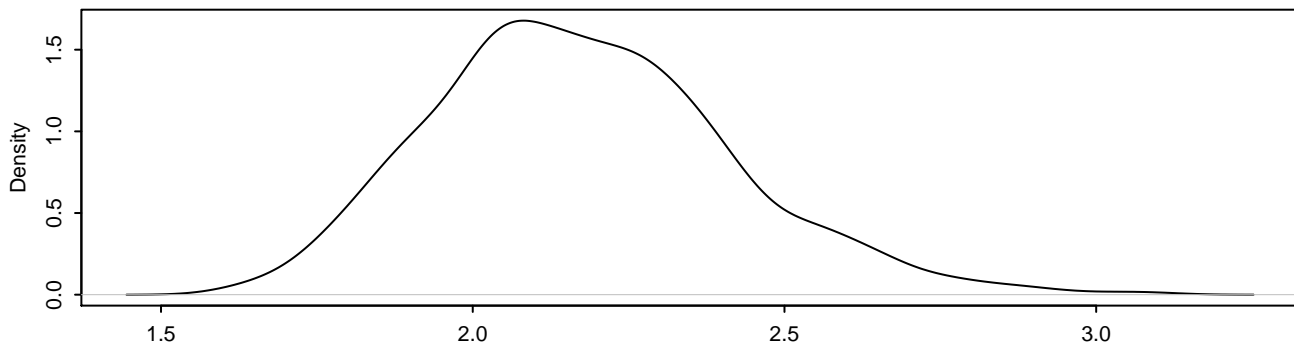
**Expected Values:  $E(Y|X)$**



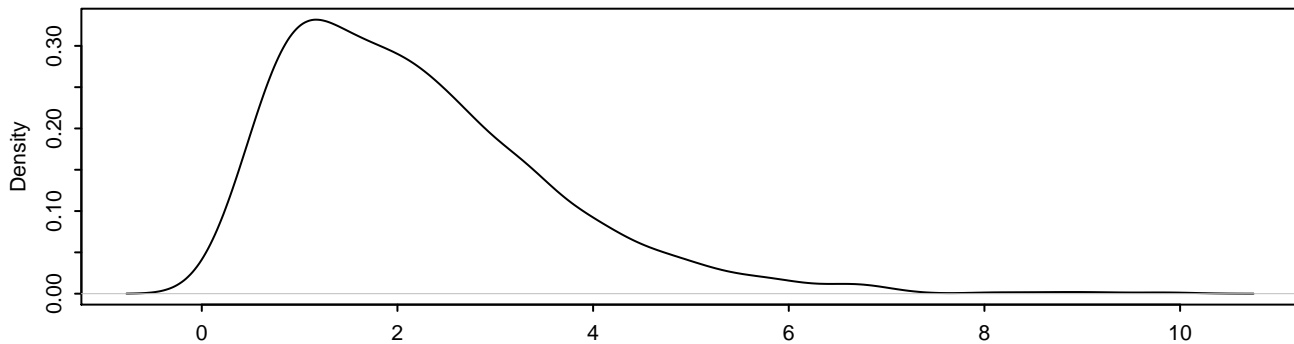
**Predicted Values:  $Y|X$**



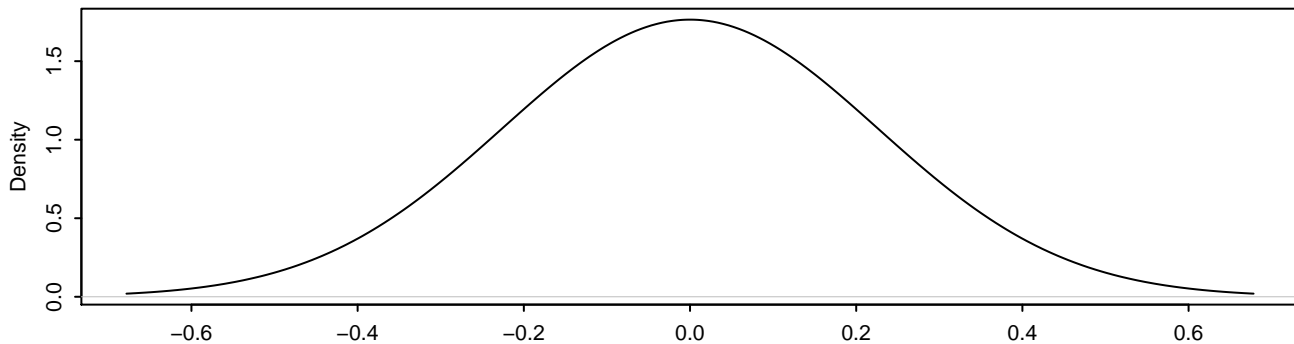
**Expected Values:  $E(Y|X)$**



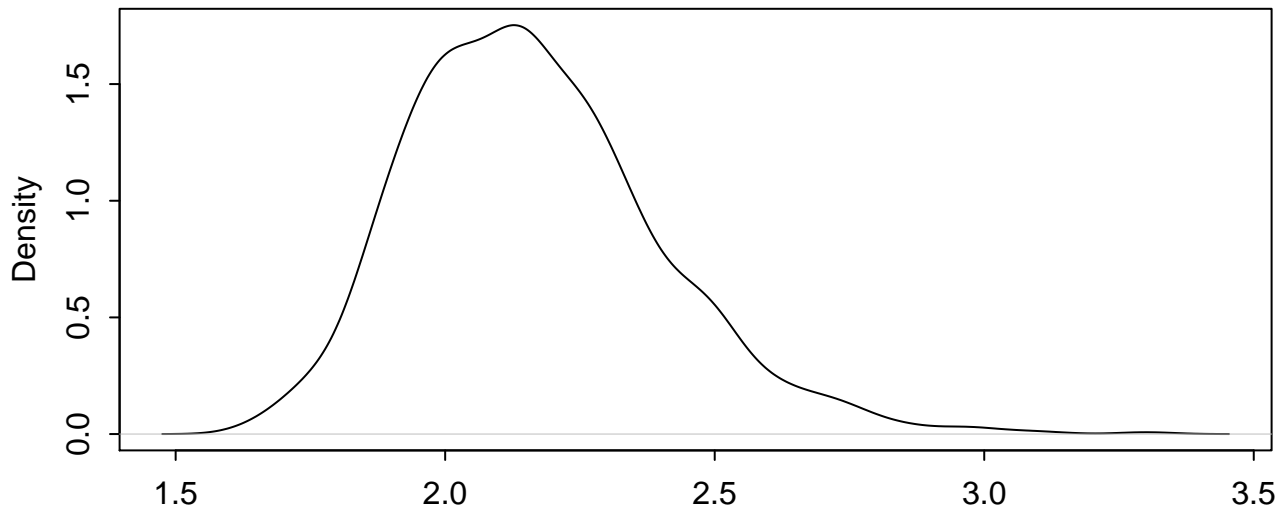
**Predicted Values:  $Y|X$**



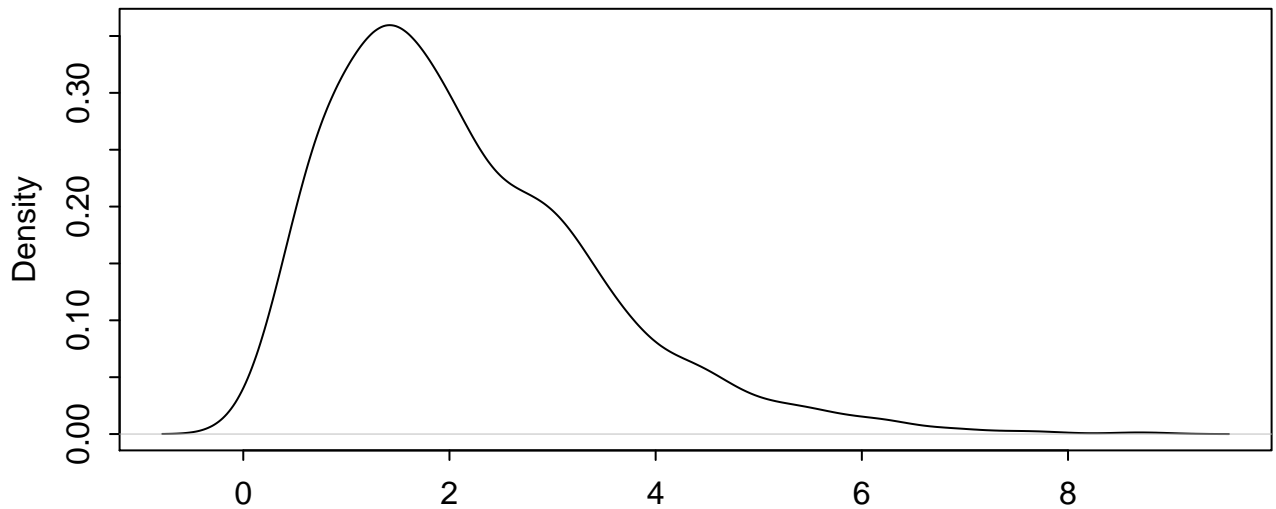
**First Differences in Expected Values:  $E(Y|X_1) - E(Y|X)$**



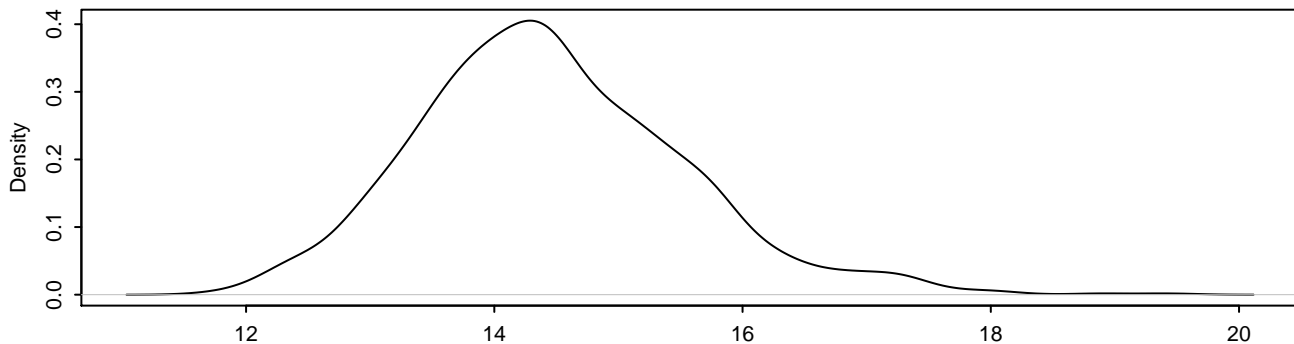
**Expected Values:  $E(Y|X)$**



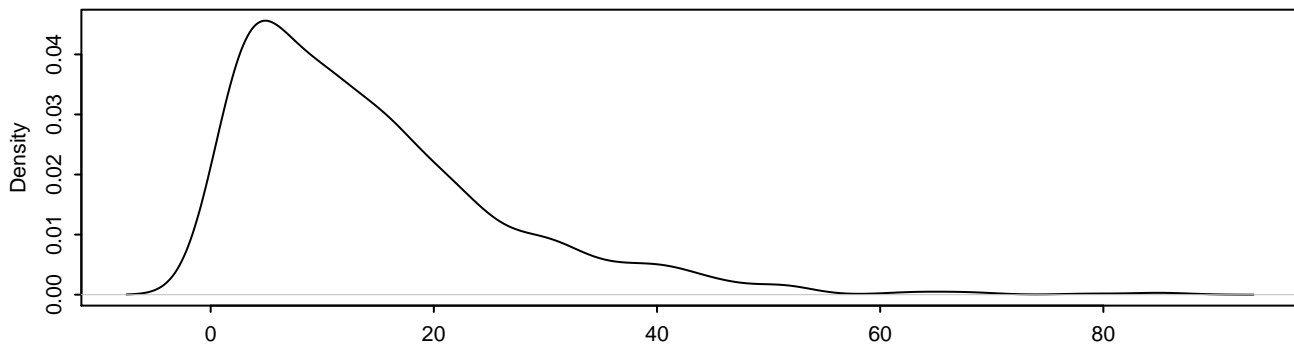
**Predicted Values:  $Y|X$**



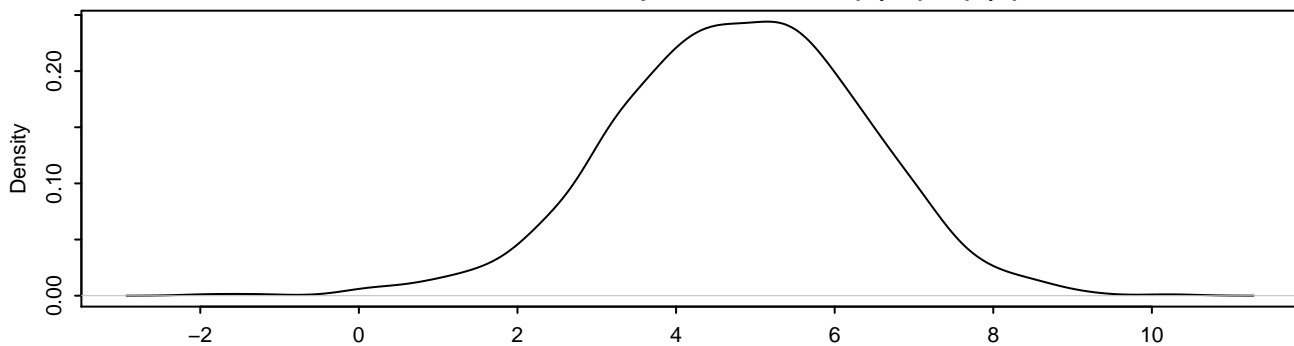
**Expected Values:  $E(Y|X)$**



**Predicted Values:  $Y|X$**

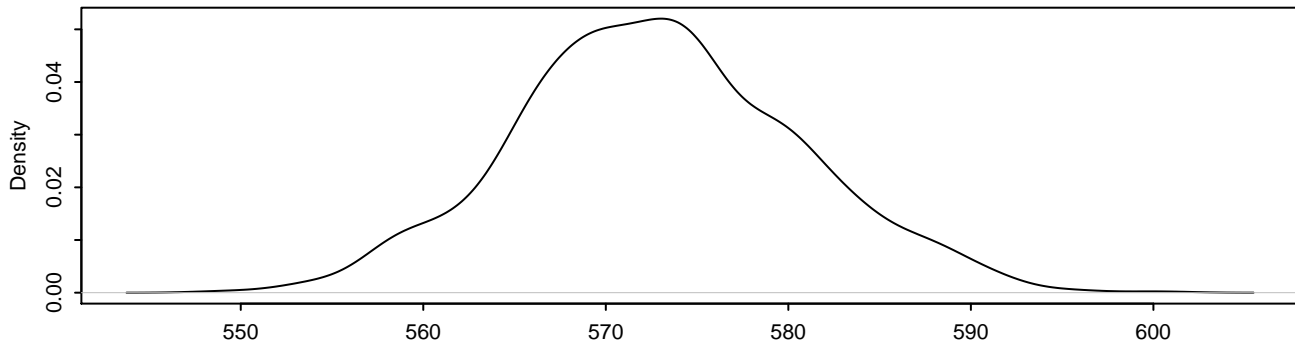


**First Differences in Expected Values:  $E(Y|X_1) - E(Y|X)$**

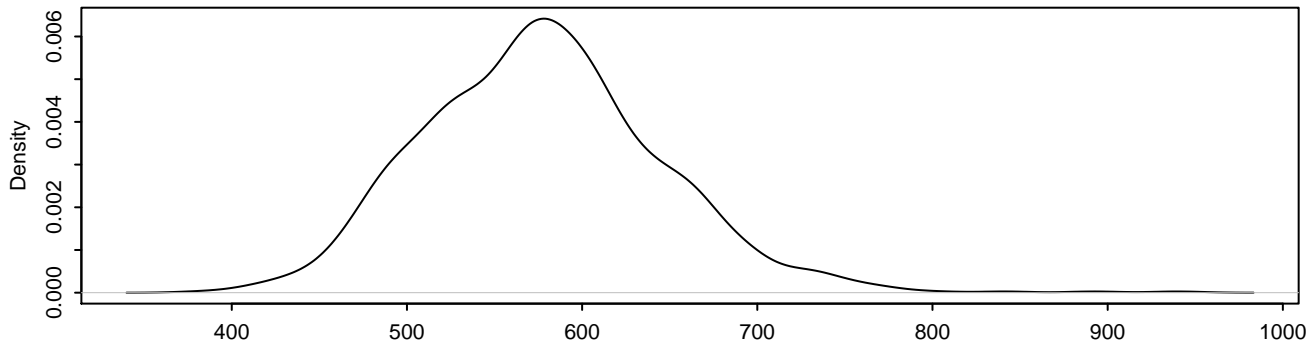




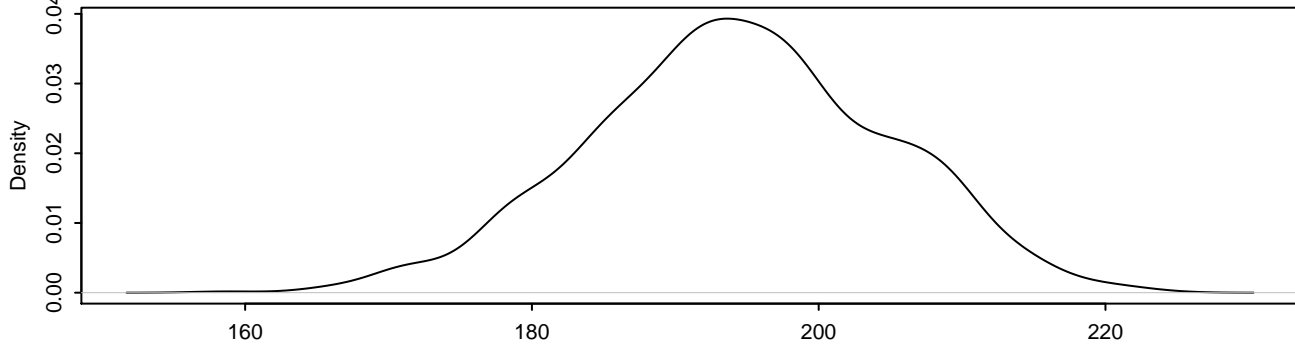
**Expected Values:  $E(Y|X)$**



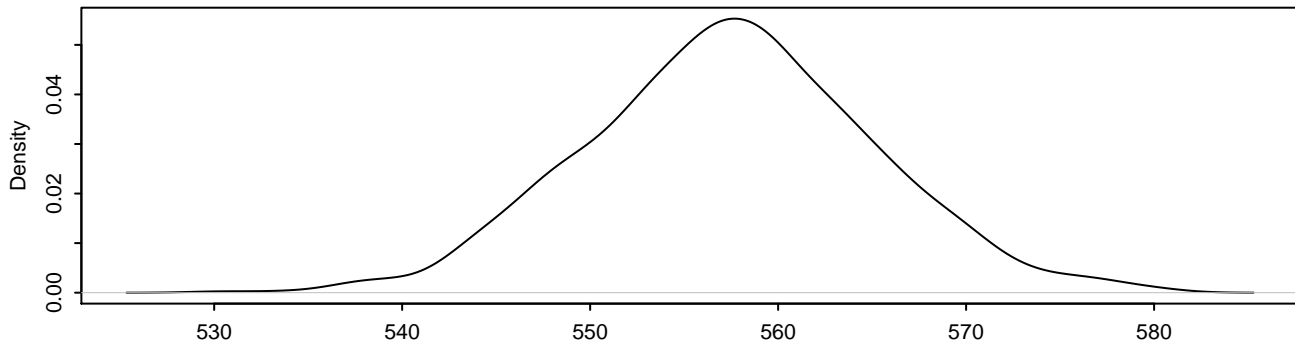
**Predicted Values:  $Y|X$**



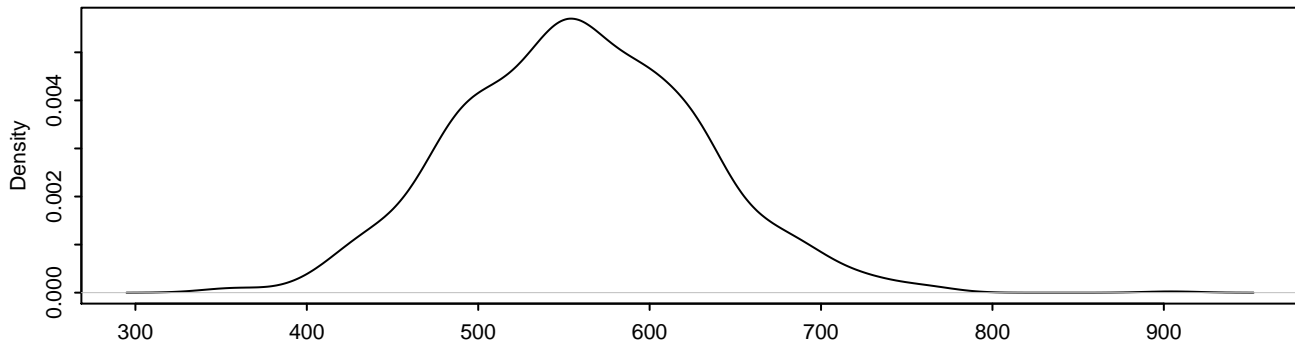
**First Differences in Expected Values:  $E(Y|X_1) - E(Y|X)$**



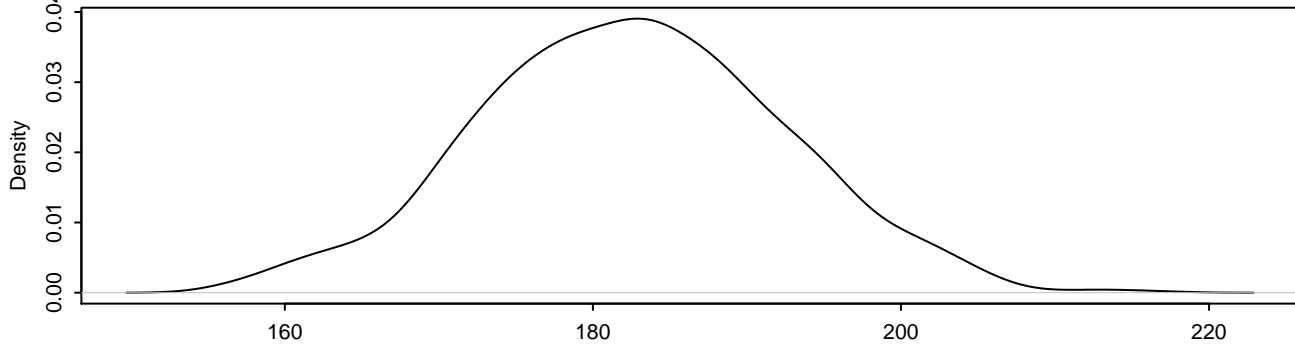
**Expected Values:  $E(Y|X)$**

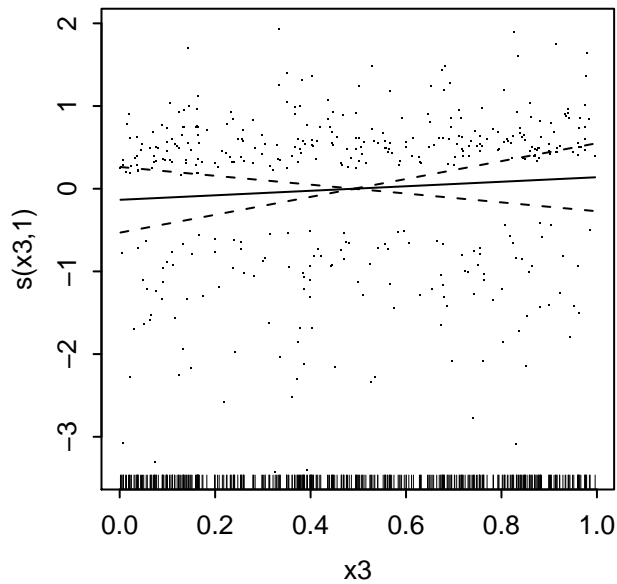
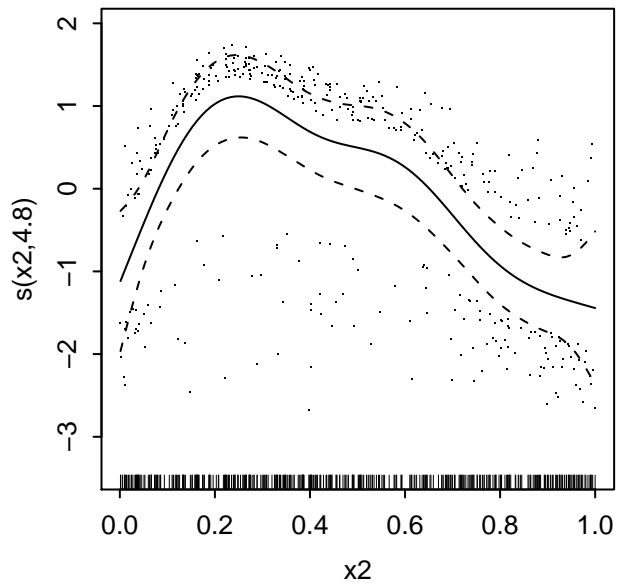
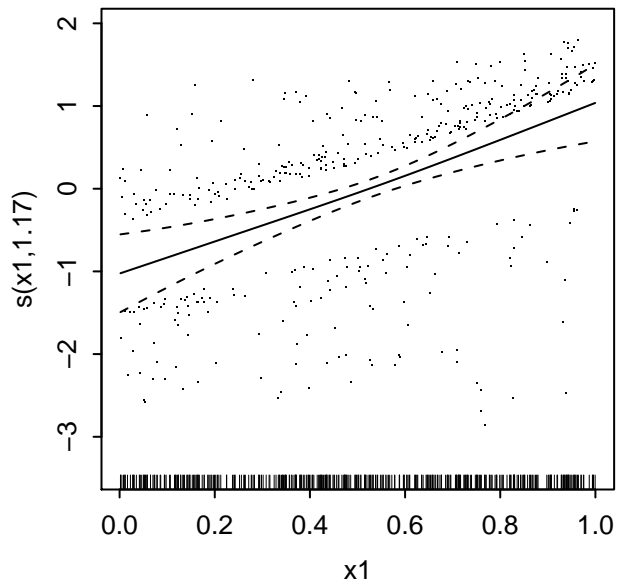
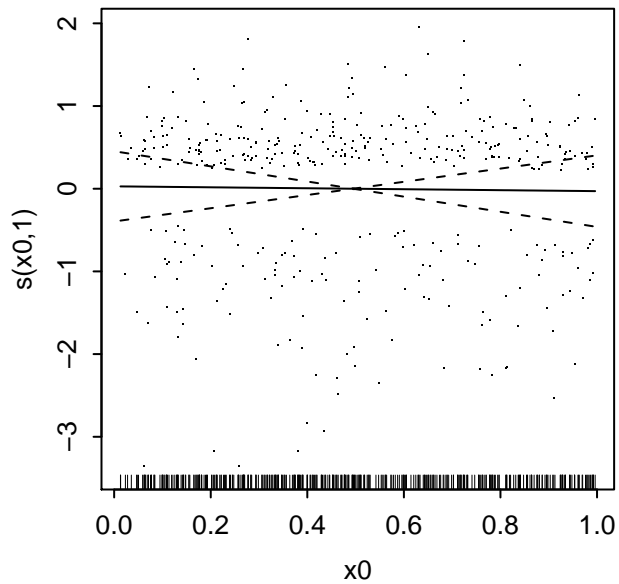


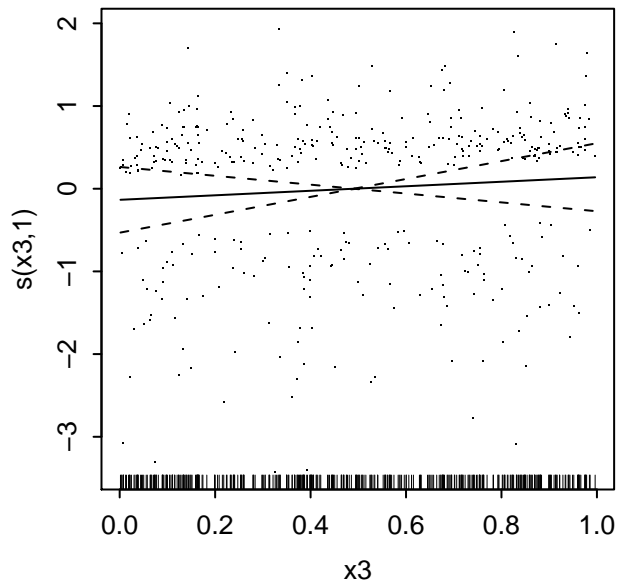
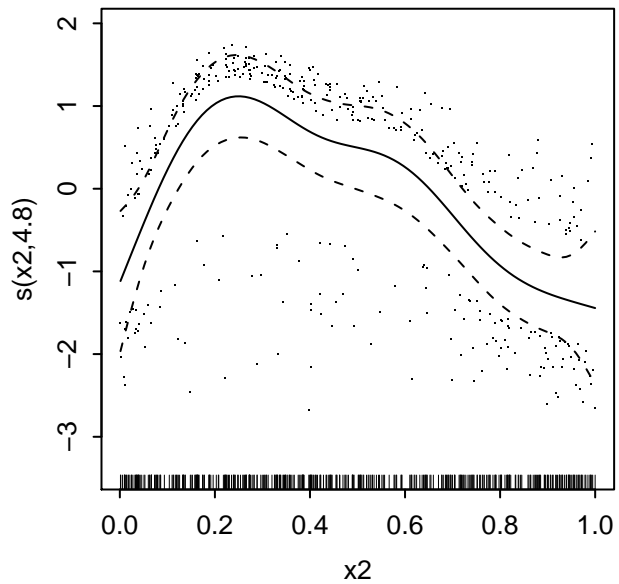
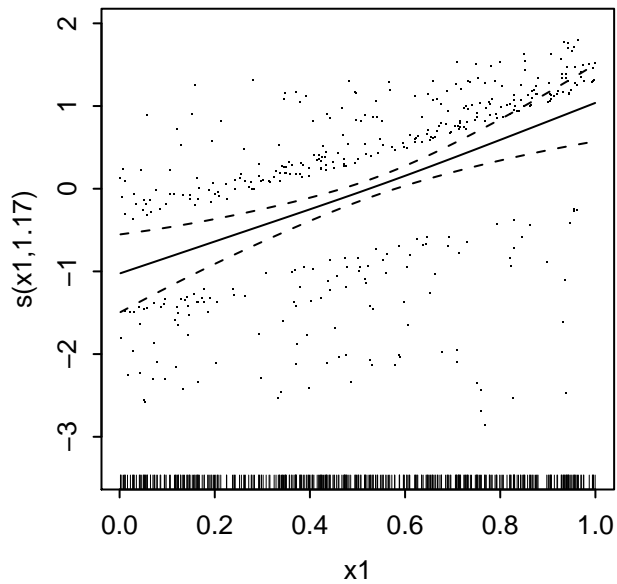
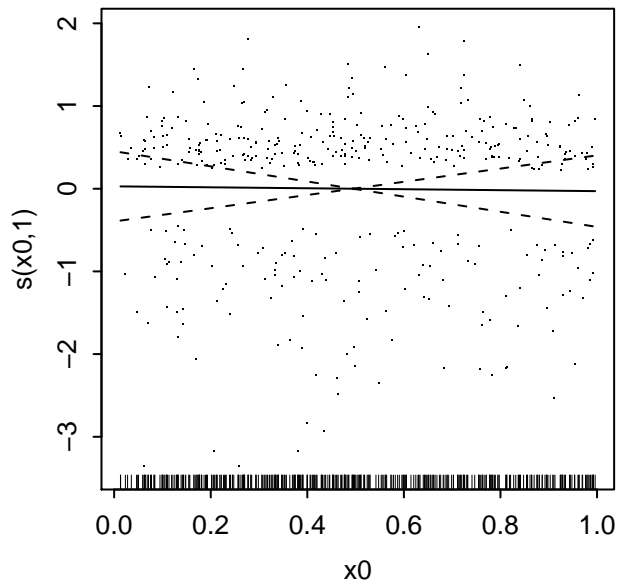
**Predicted Values:  $Y|X$**



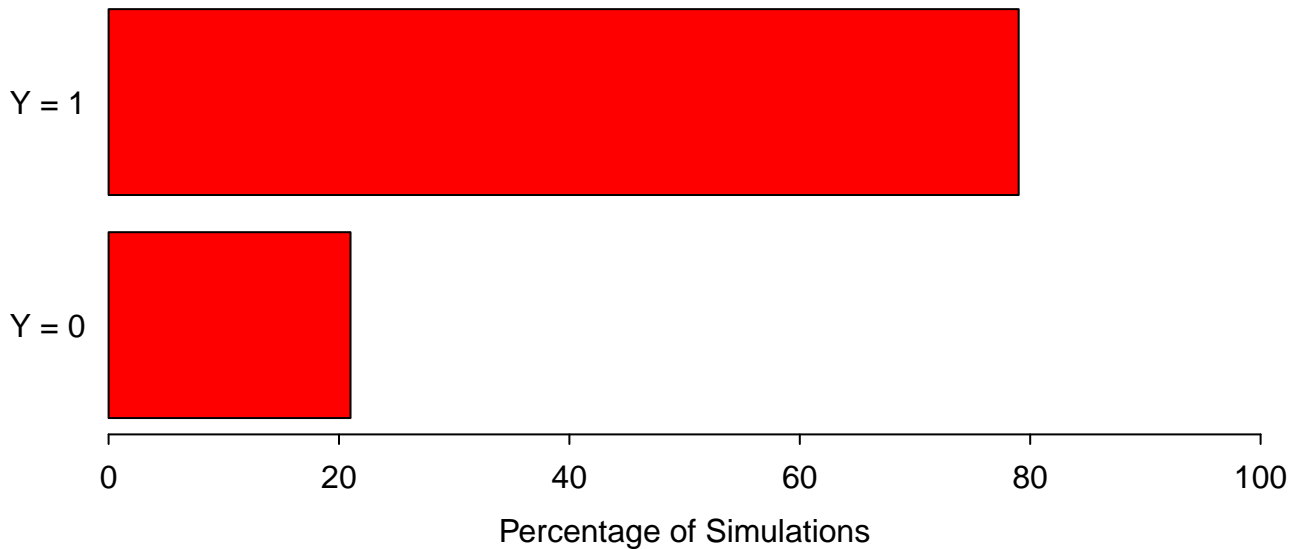
**First Differences in Expected Values:  $E(Y|X_1) - E(Y|X)$**



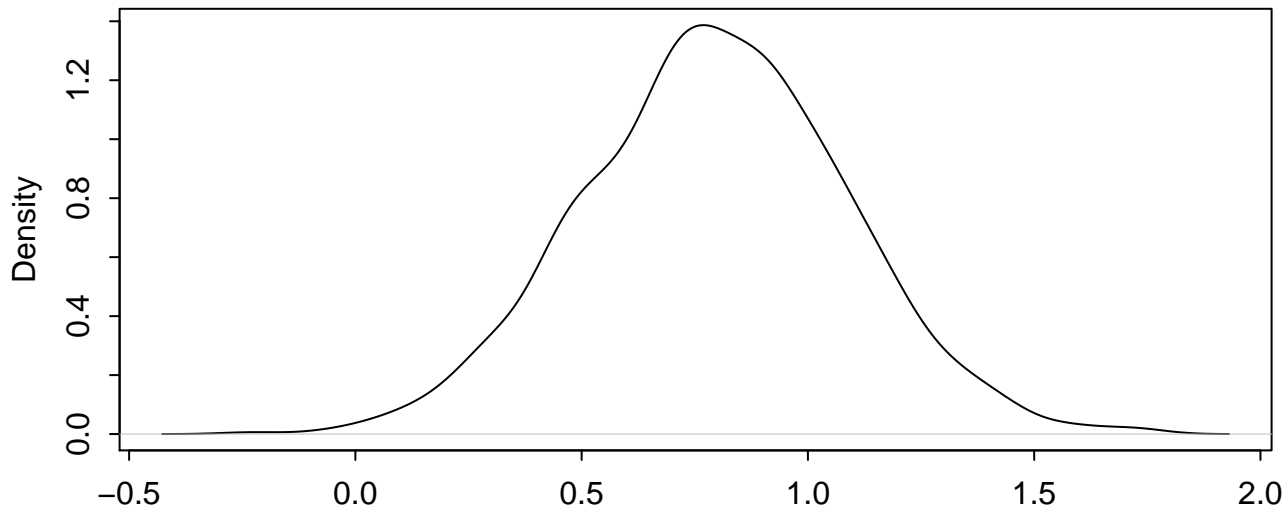




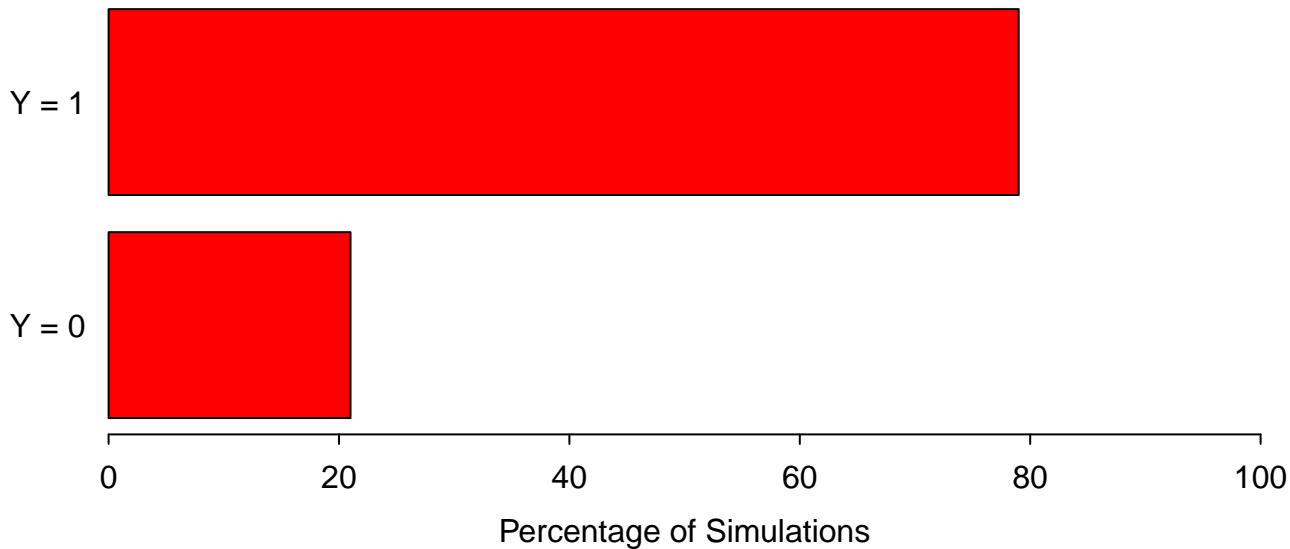
### Predicted Values: $Y|X$



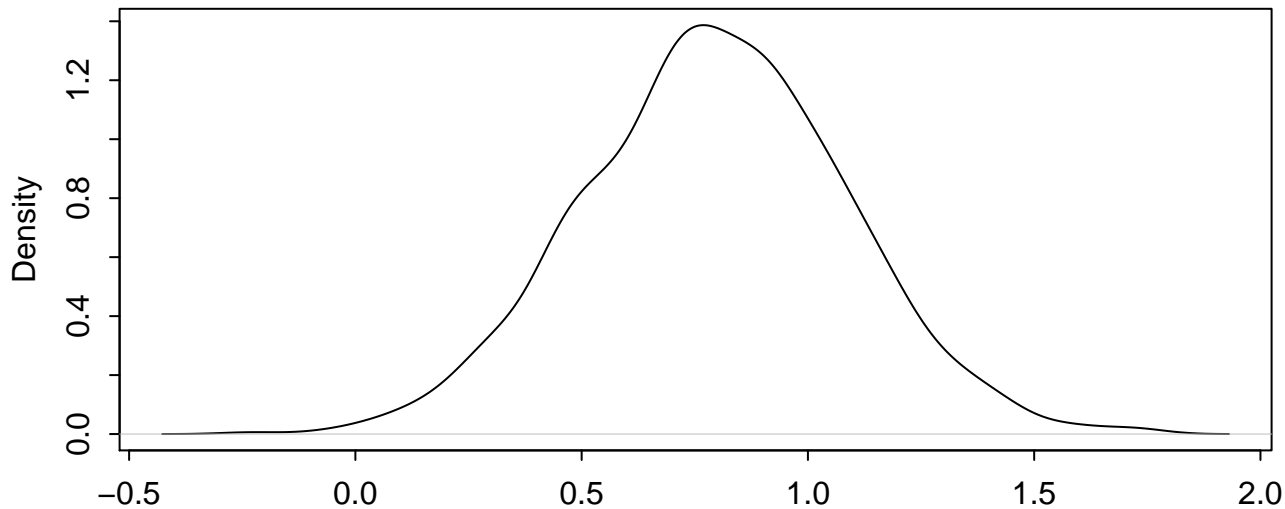
### Expected Values: $E(Y|X)$



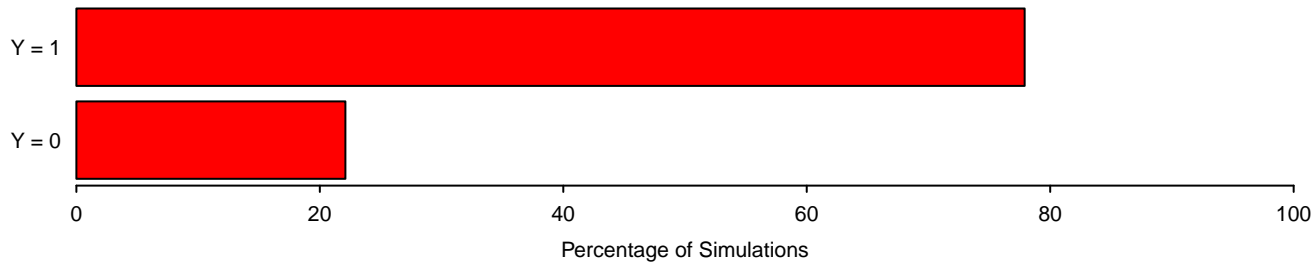
### Predicted Values: $Y|X$



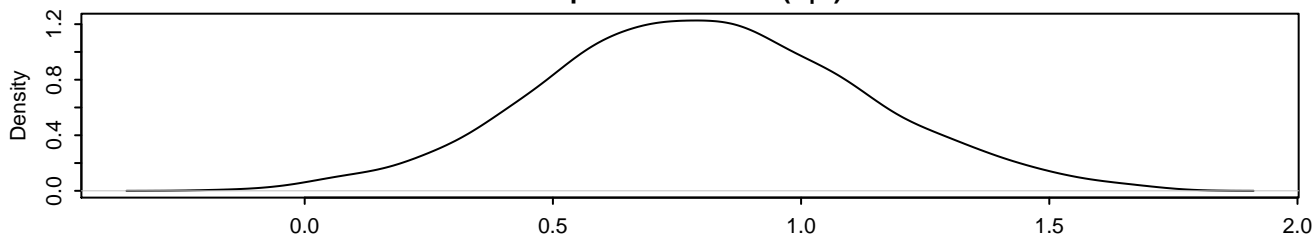
### Expected Values: $E(Y|X)$



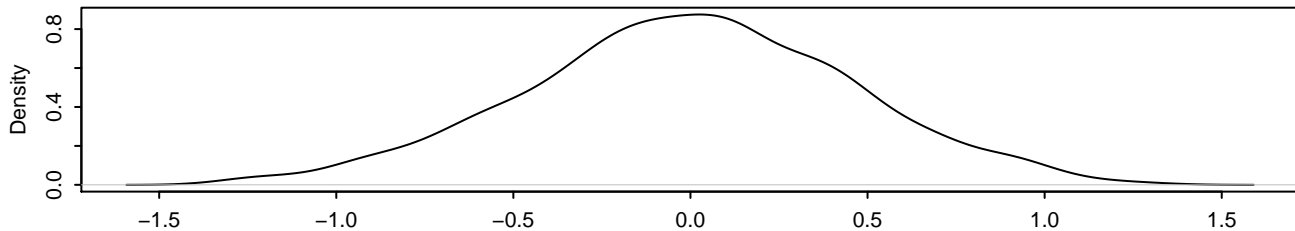
**Predicted Values:  $Y|X$**



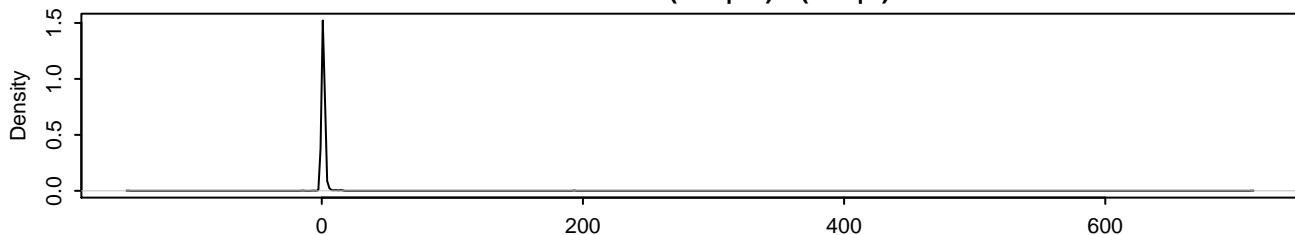
**Expected Values:  $E(Y|X)$**



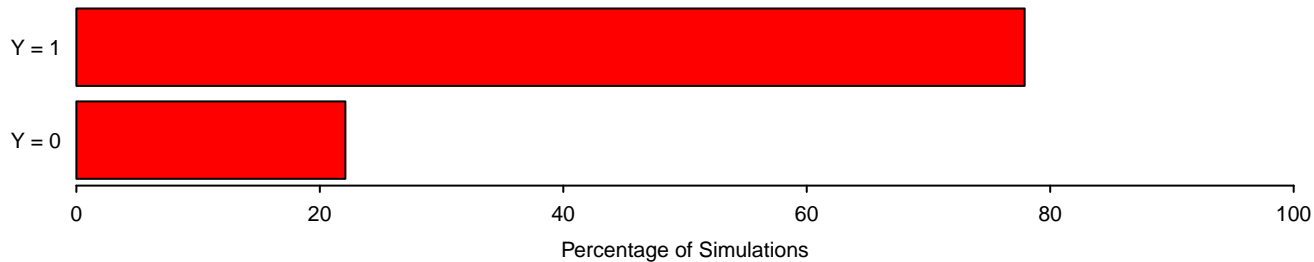
**First Differences in Expected Values:  $E(Y|X_1) - E(Y|X)$**



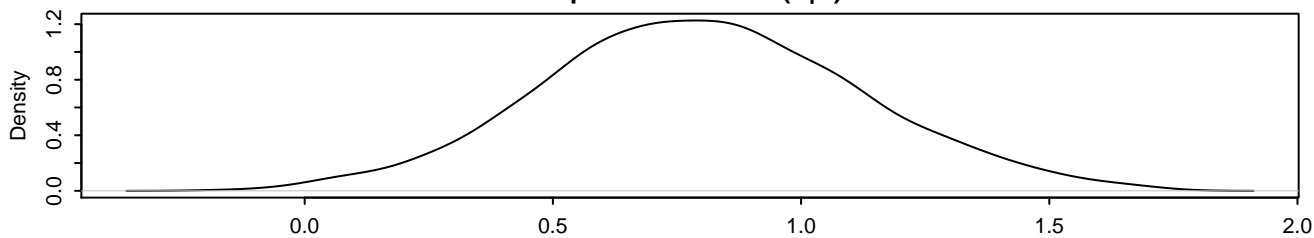
**Risk Ratios:  $P(Y=1|X_1)/P(Y=1|X)$**



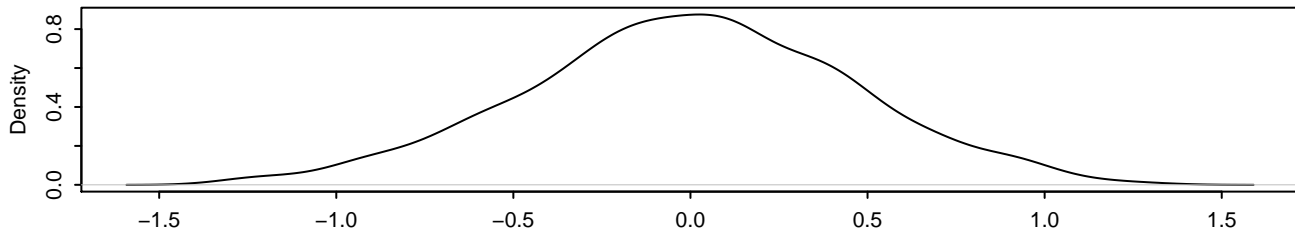
**Predicted Values:  $Y|X$**



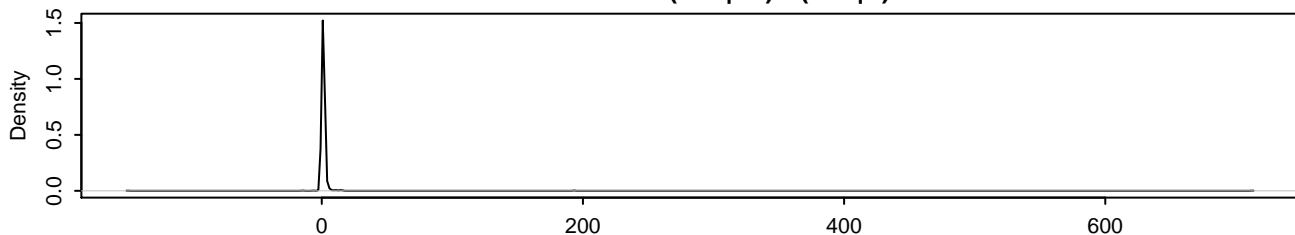
**Expected Values:  $E(Y|X)$**



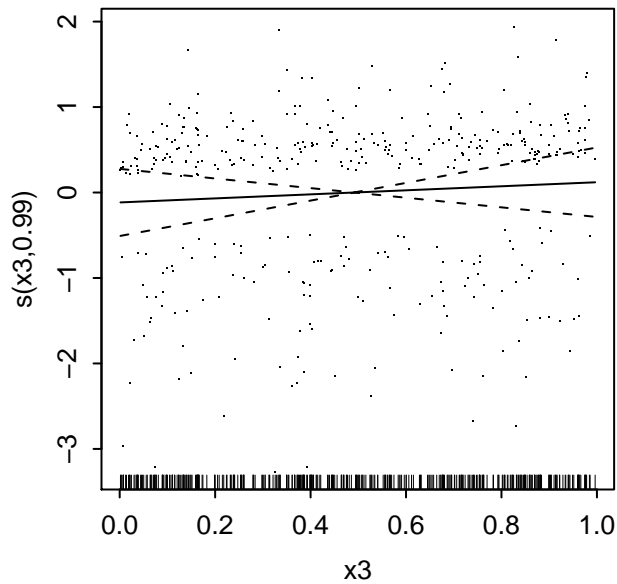
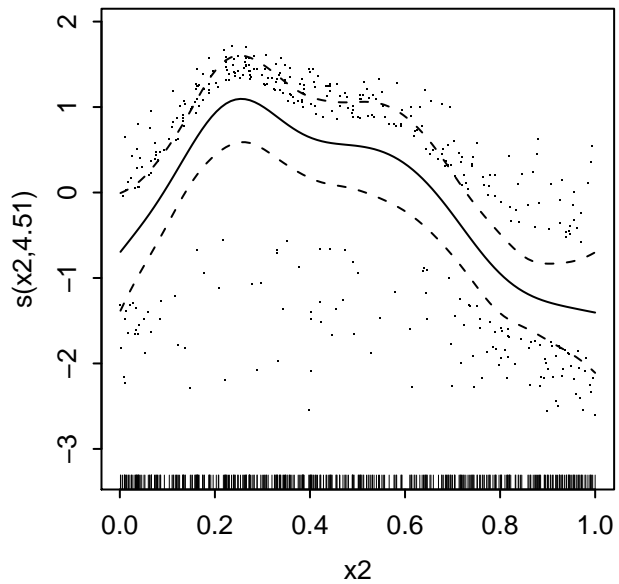
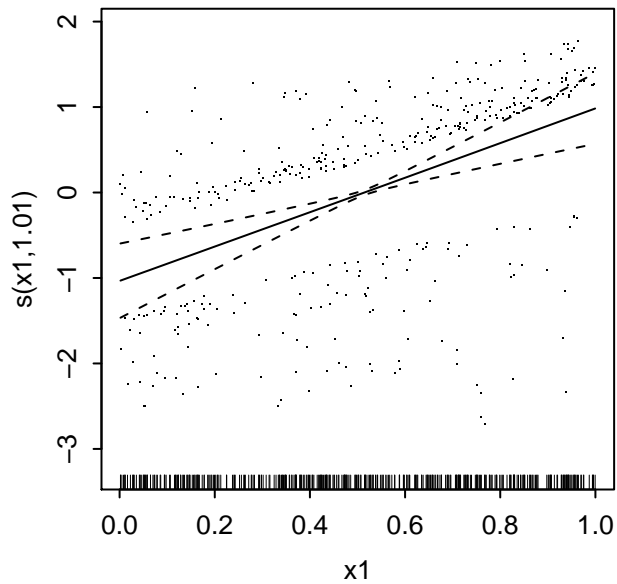
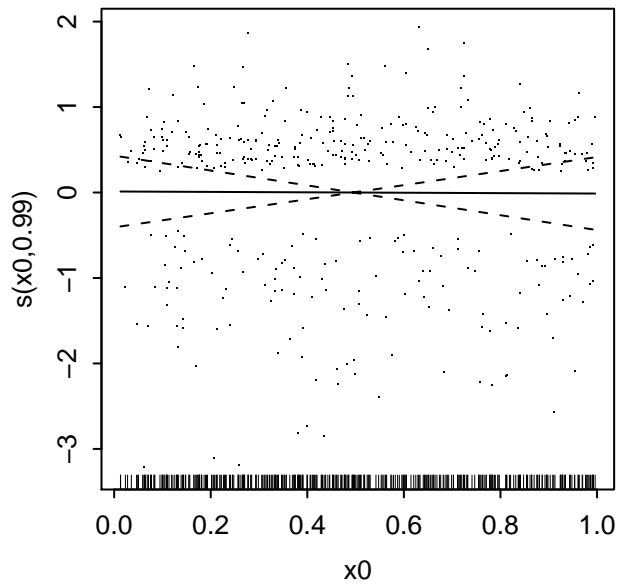
**First Differences in Expected Values:  $E(Y|X_1) - E(Y|X)$**

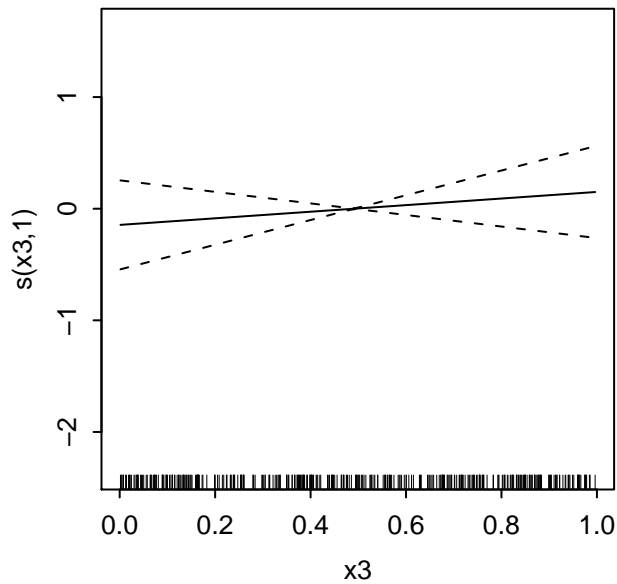
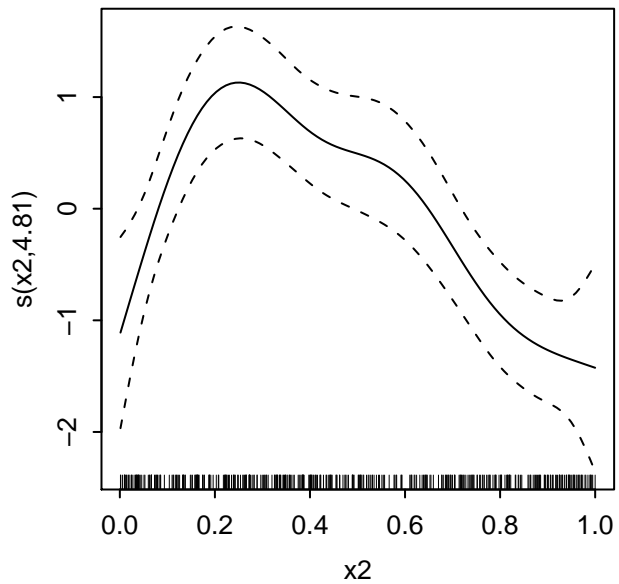
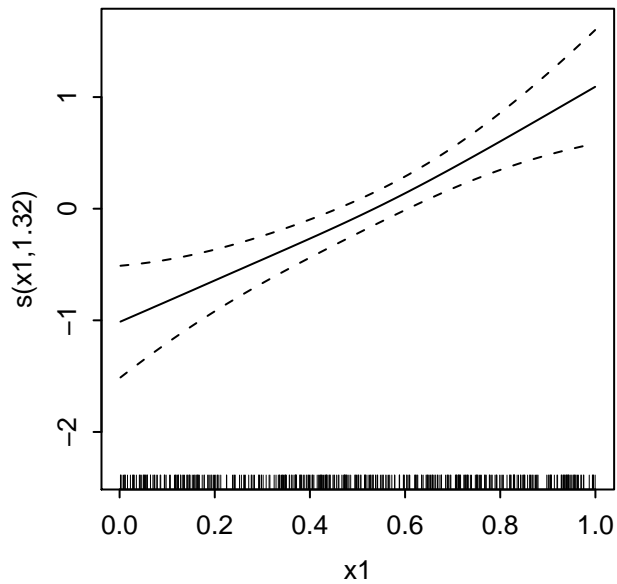
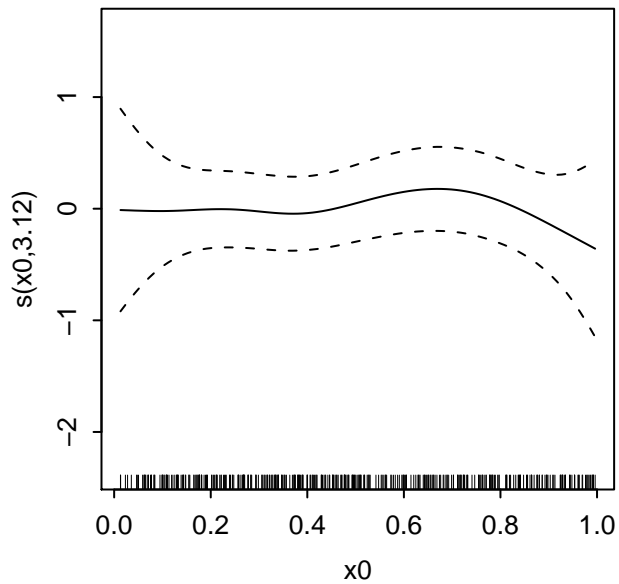


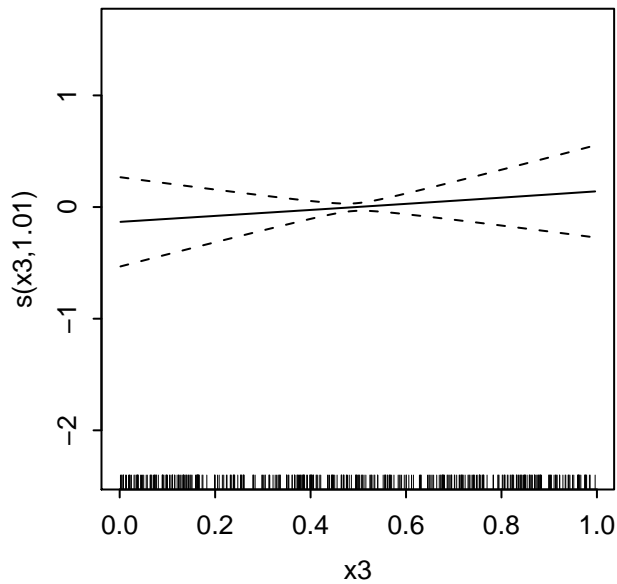
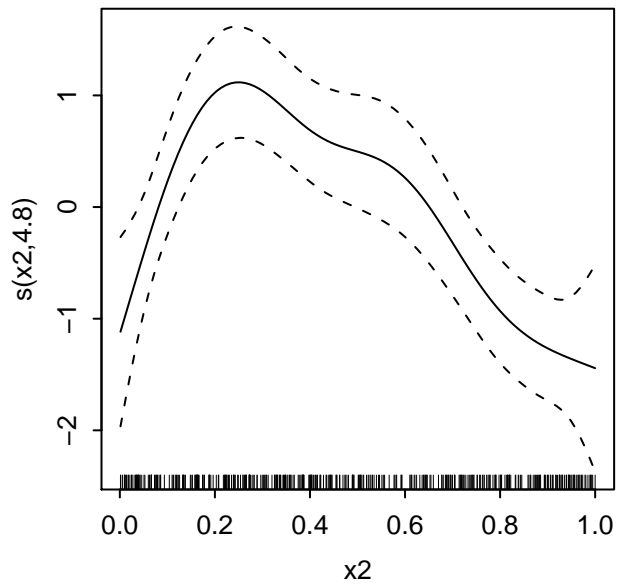
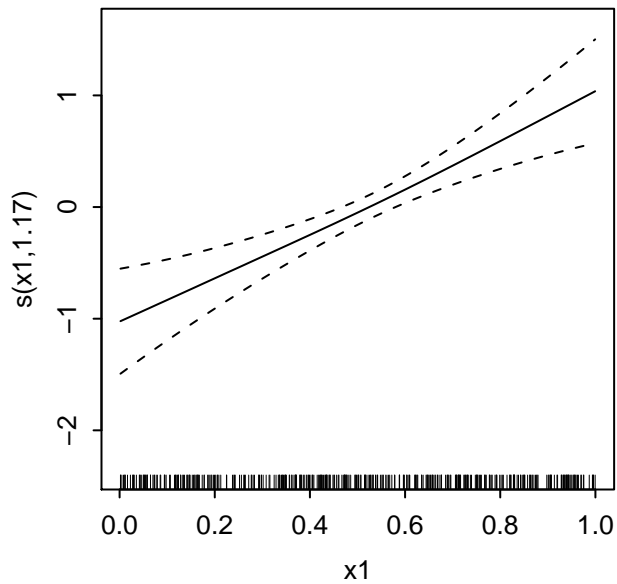
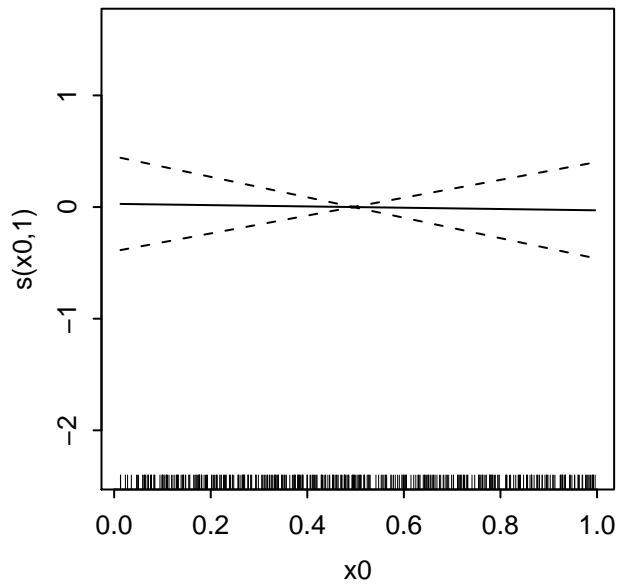
**Risk Ratios:  $P(Y=1|X_1)/P(Y=1|X)$**

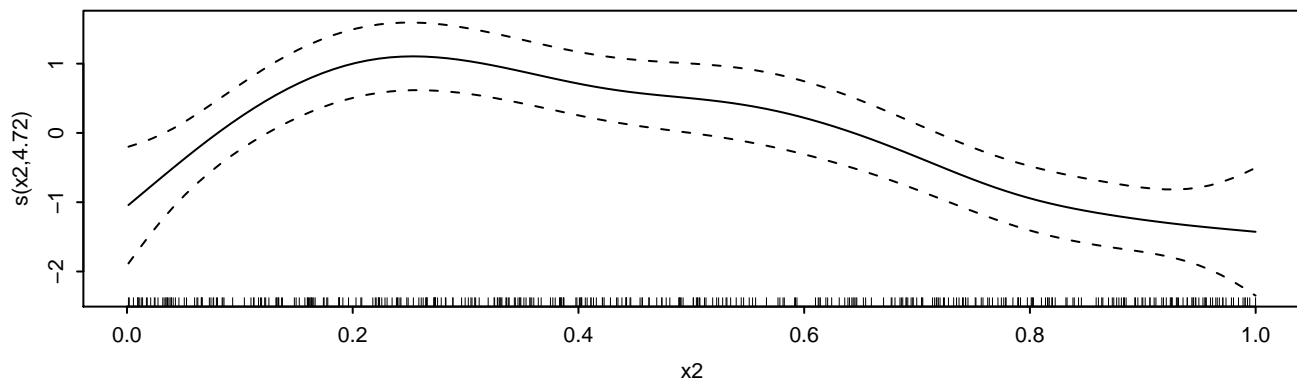
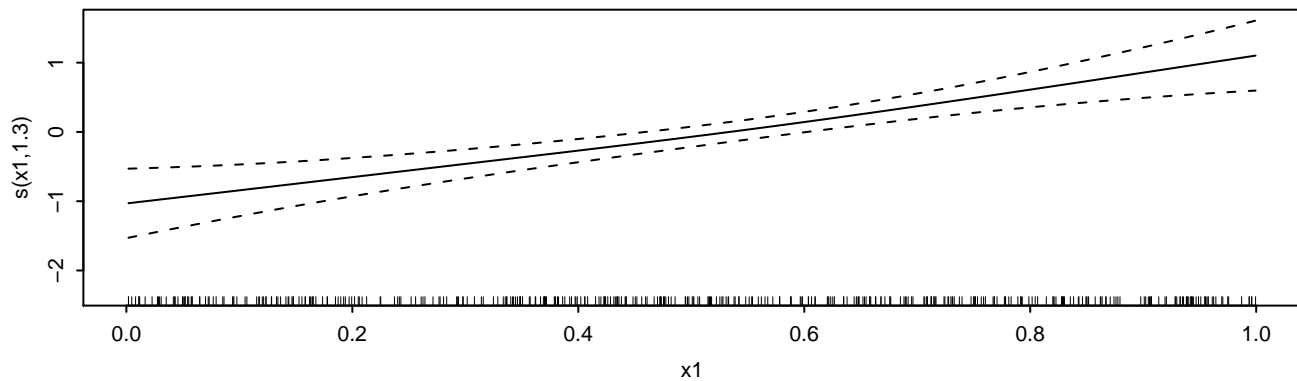
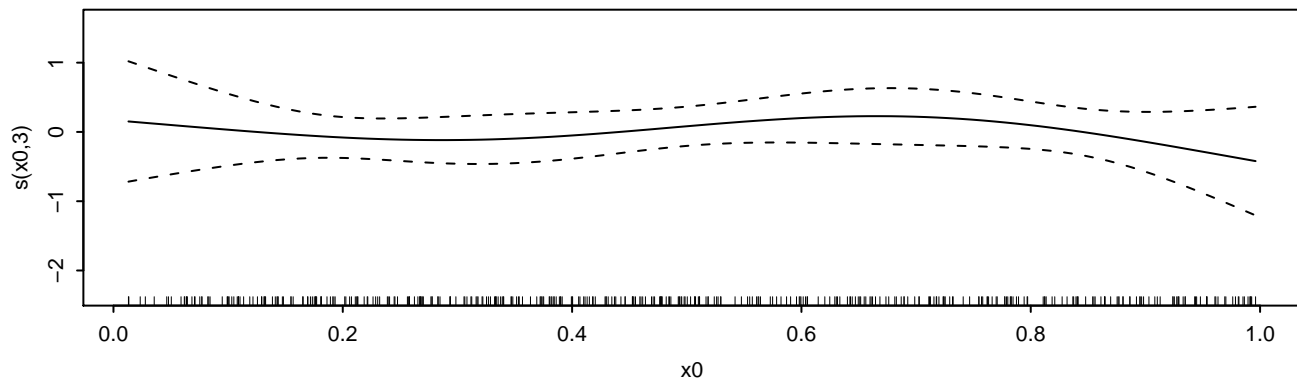




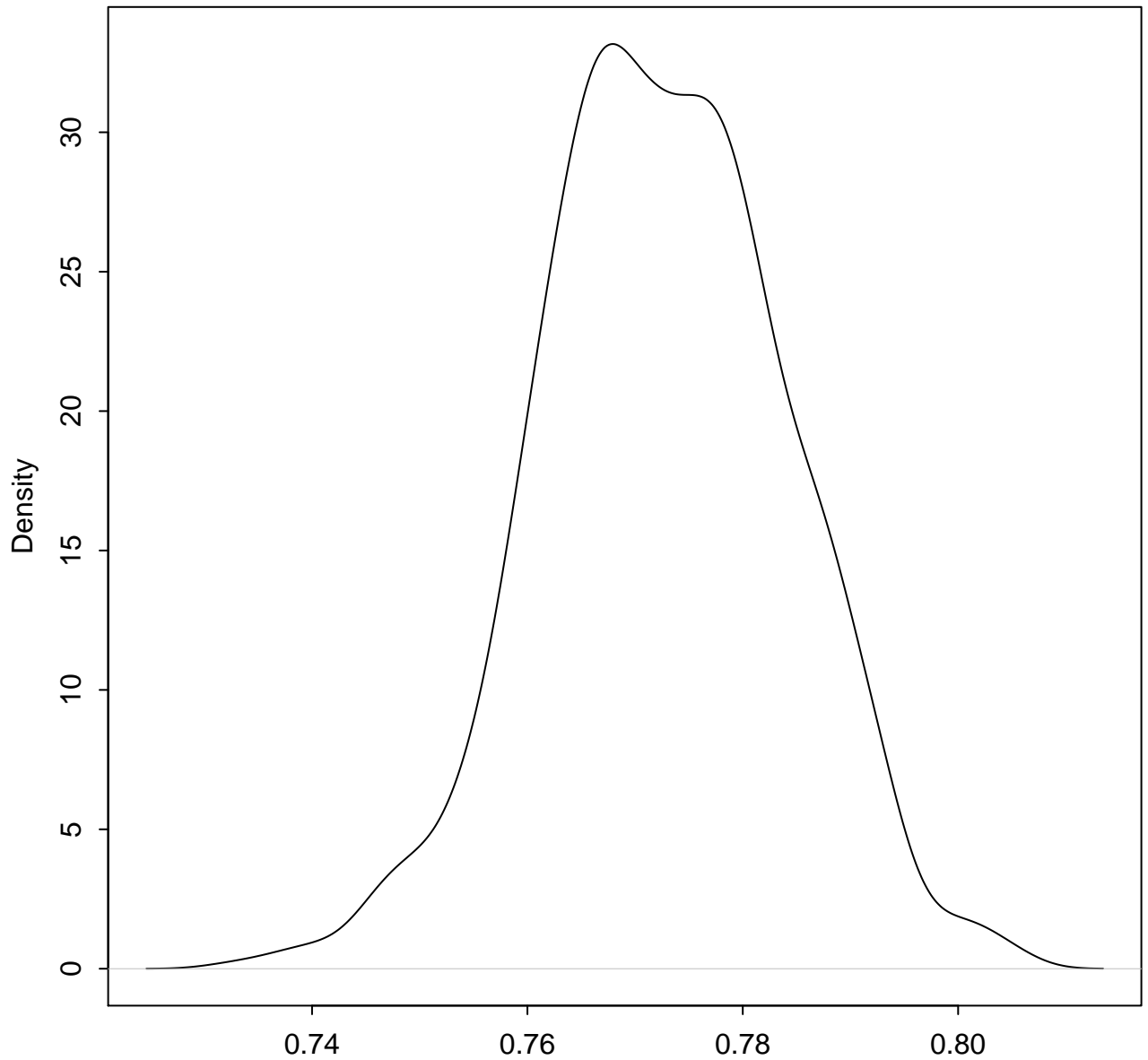




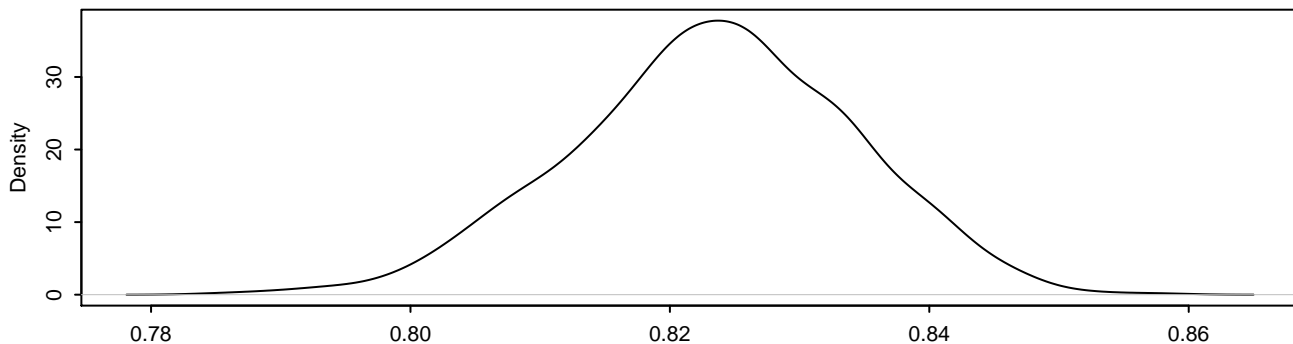




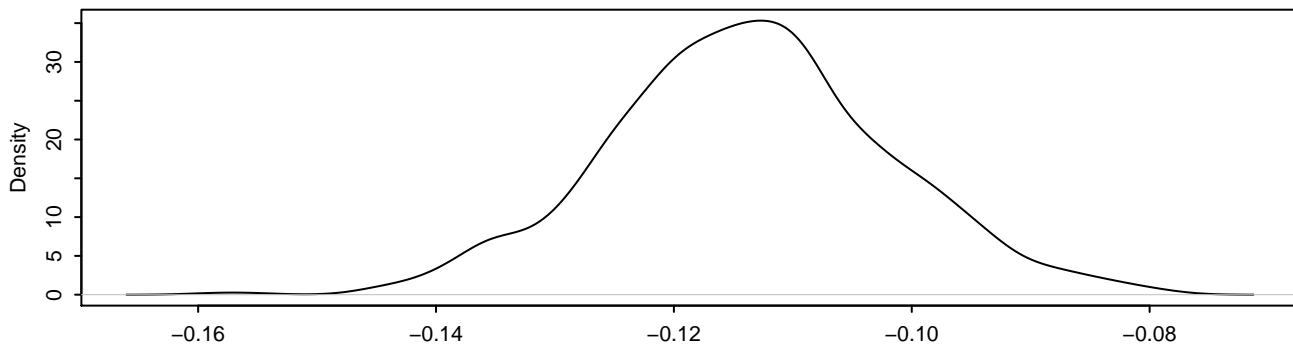
**Expected Values:  $E(Y|X)$**



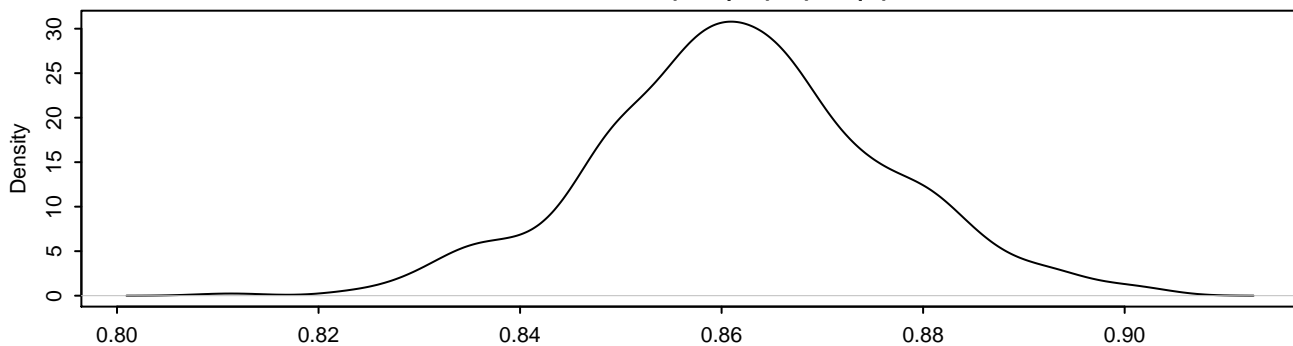
**Expected Values:  $E(Y|X)$**



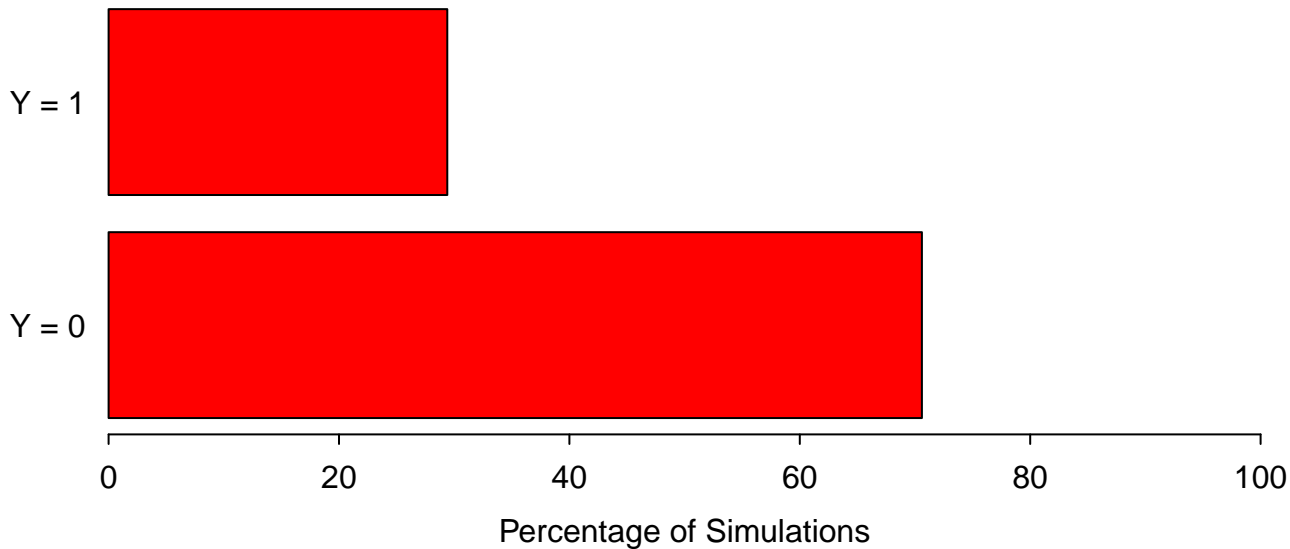
**First Differences in Expected Values:  $E(Y|X_1) - E(Y|X)$**



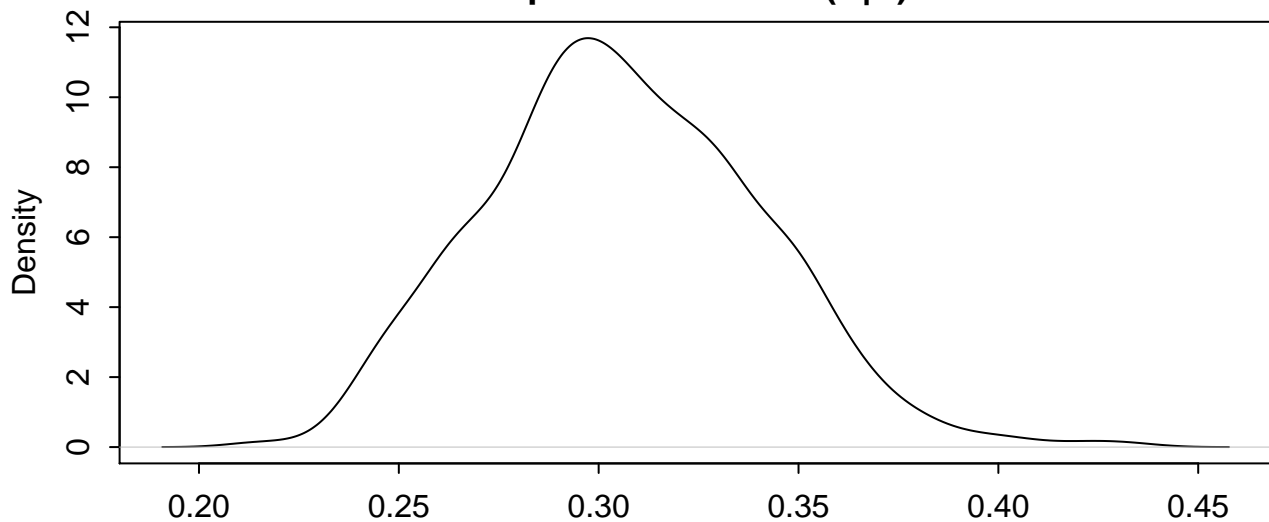
**Risk Ratios:  $P(Y=1|X_1)/P(Y=1|X)$**



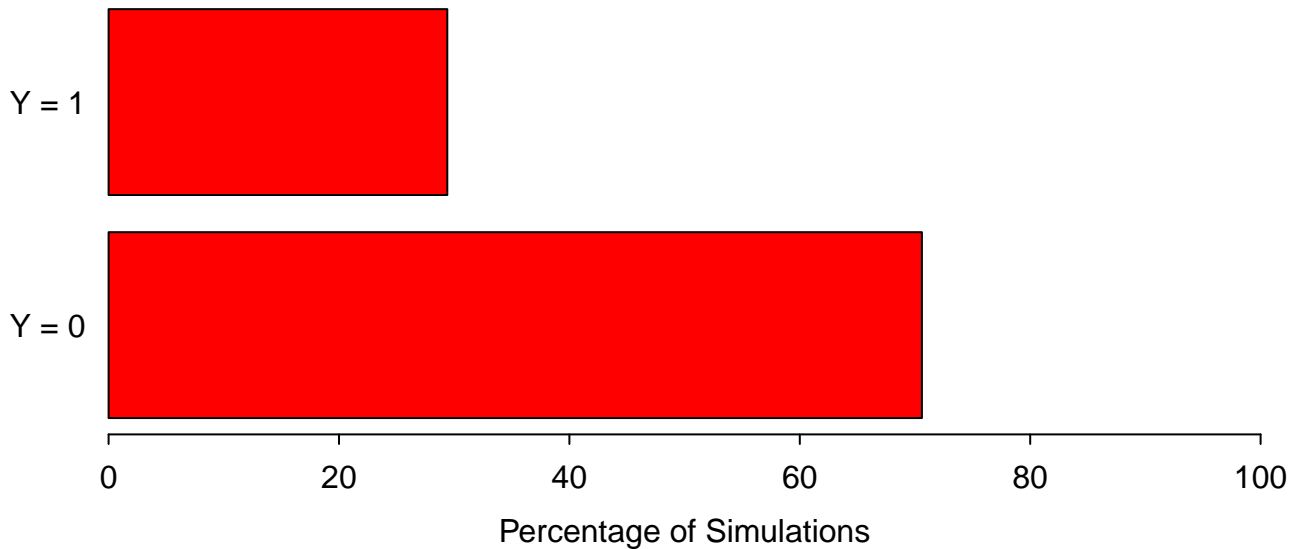
### Predicted Values: $Y|X$



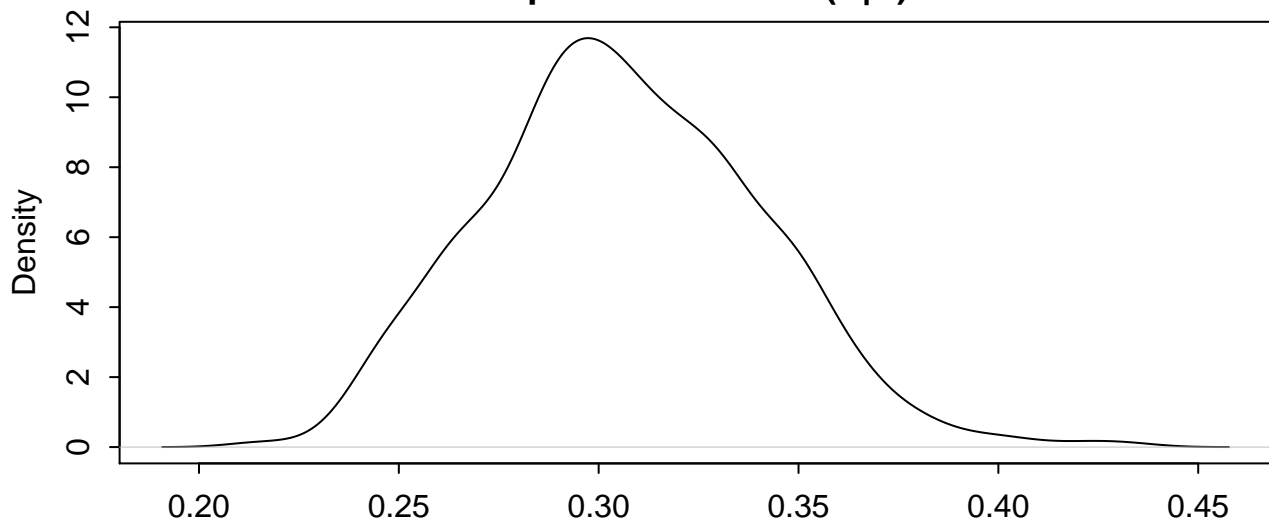
### Expected Values: $E(Y|X)$



### Predicted Values: $Y|X$

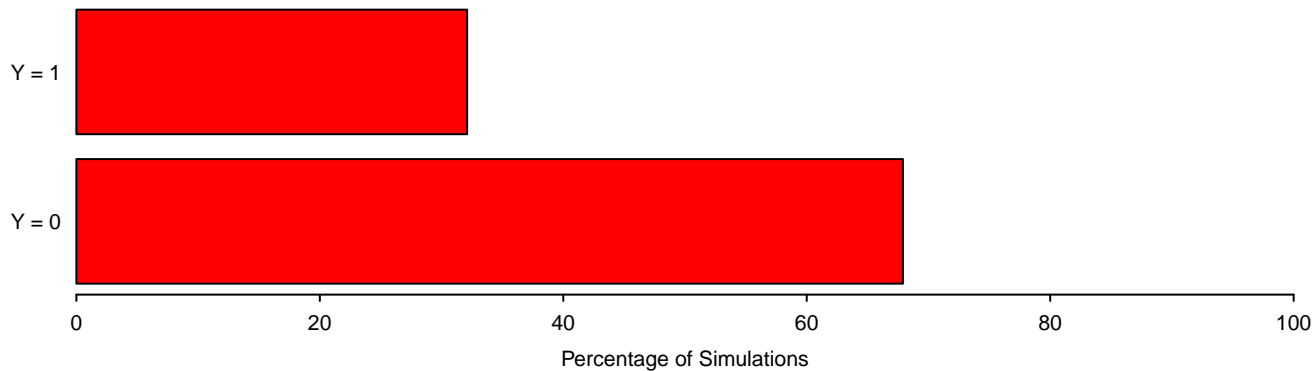


### Expected Values: $E(Y|X)$

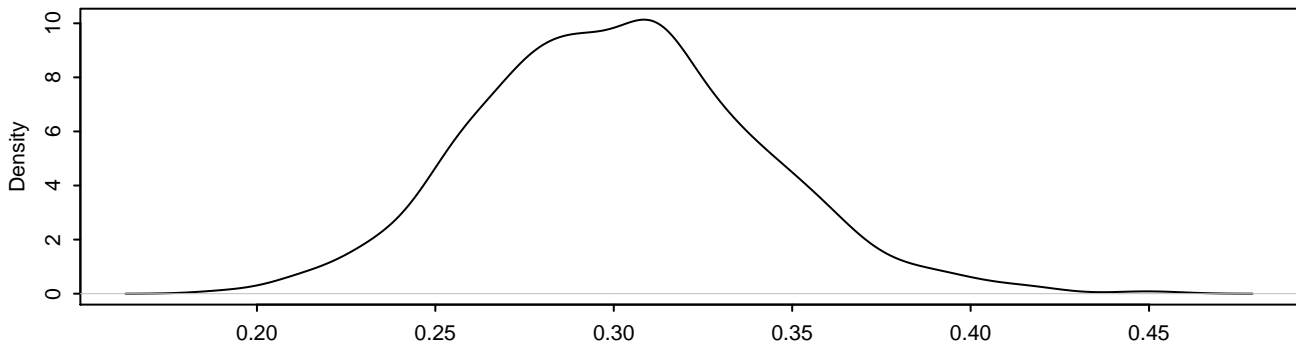




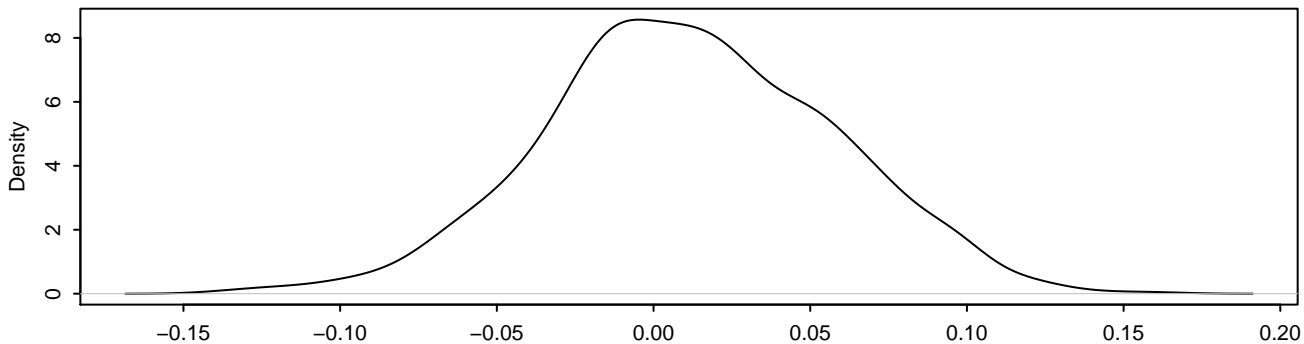
**Predicted Values:  $Y|X$**



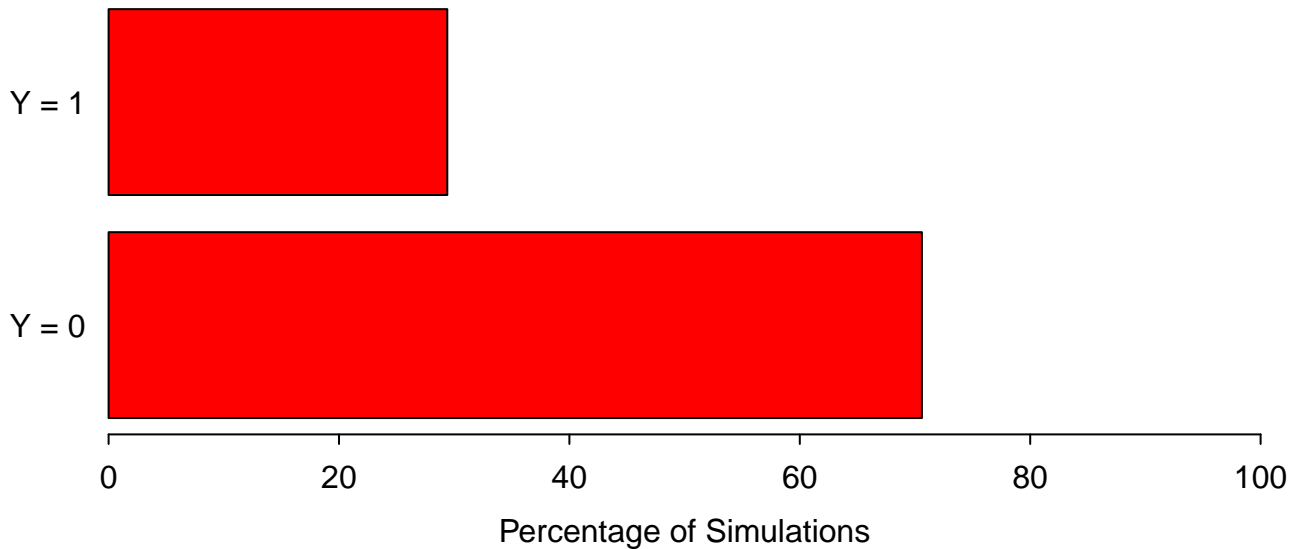
**Expected Values:  $E(Y|X)$**



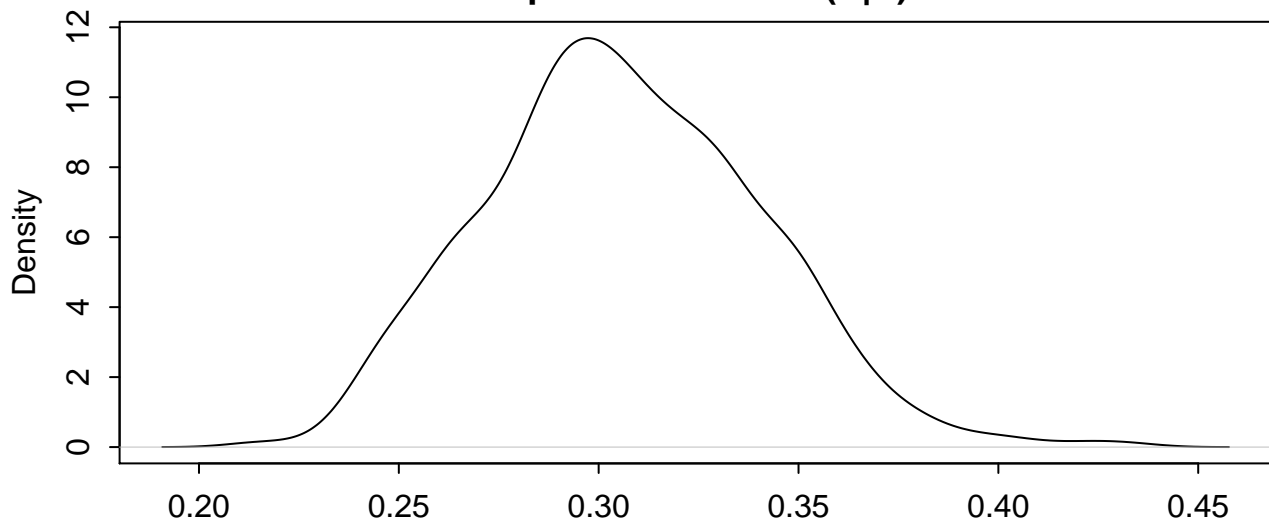
**First Differences in Expected Values:  $E(Y|X_1) - E(Y|X)$**



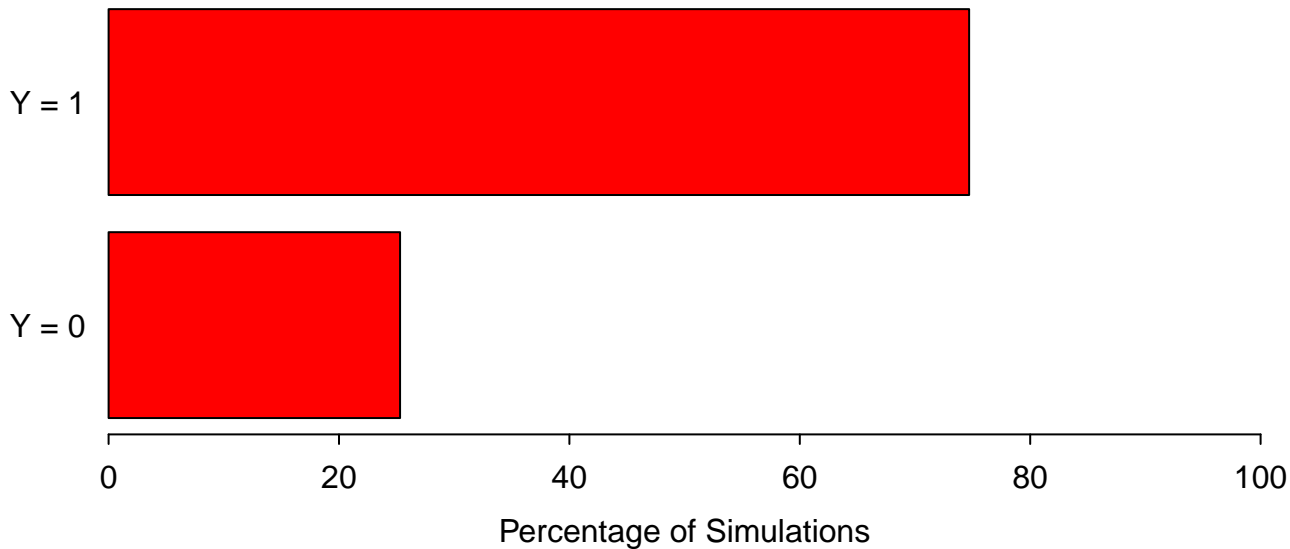
### Predicted Values: $Y|X$



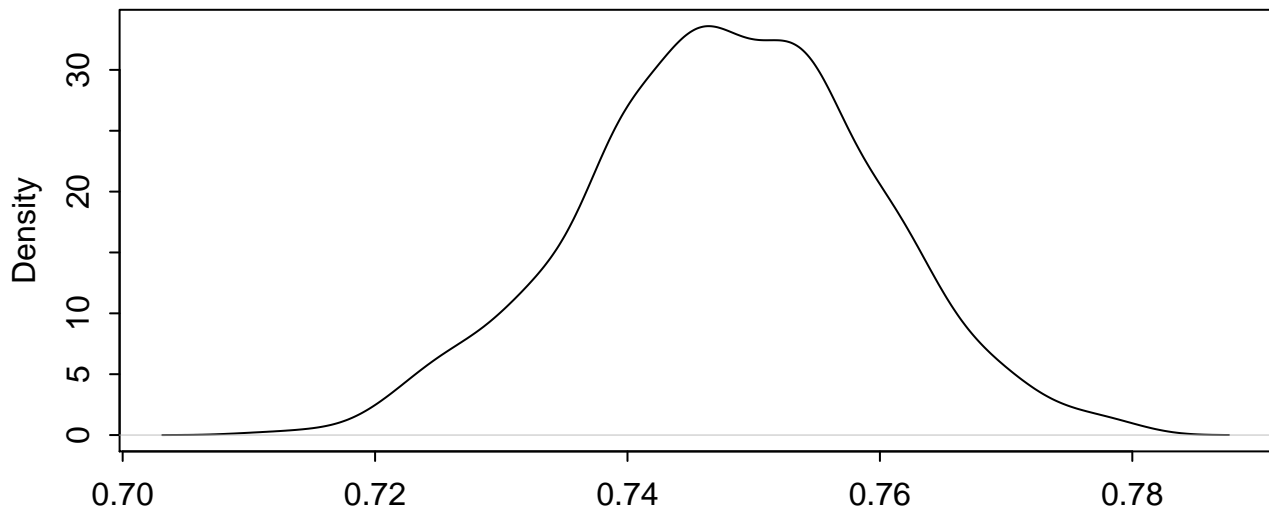
### Expected Values: $E(Y|X)$



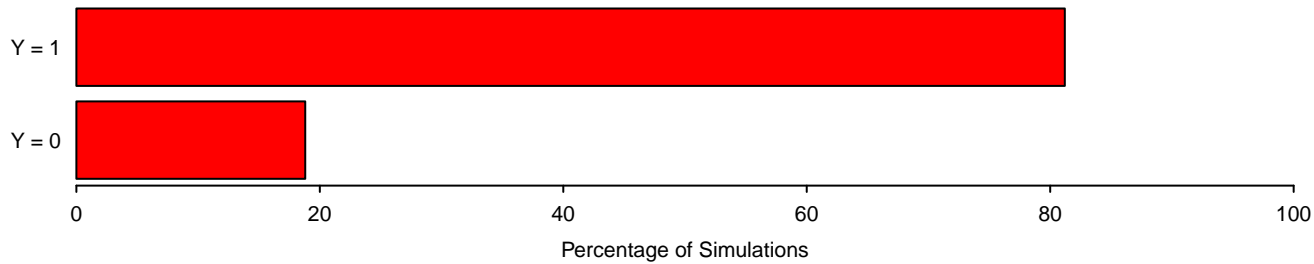
### Predicted Values: $Y|X$



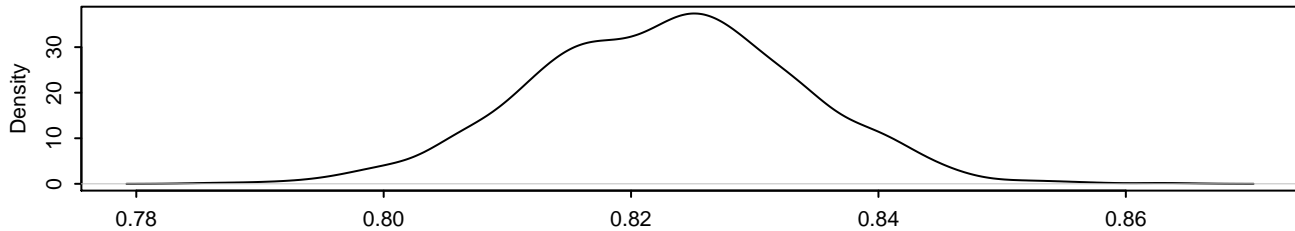
### Expected Values: $E(Y|X)$



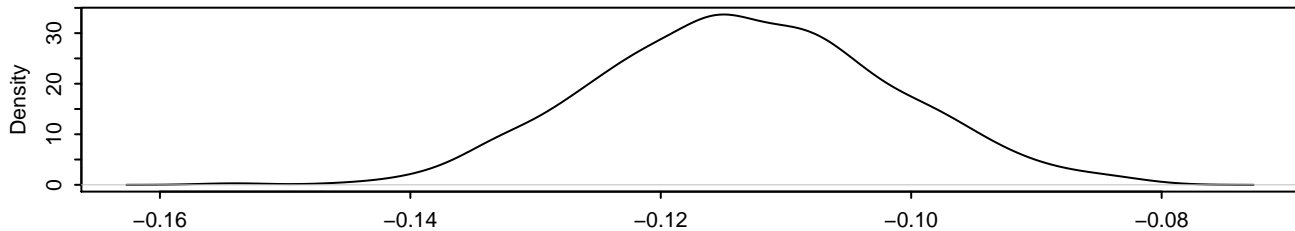
**Predicted Values:  $Y|X$**



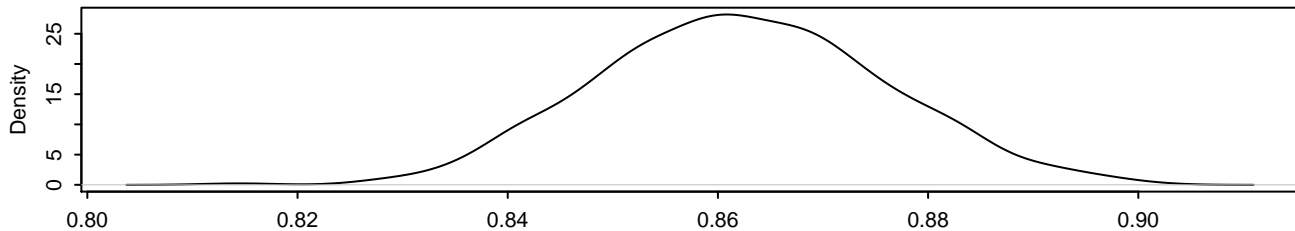
**Expected Values:  $E(Y|X)$**



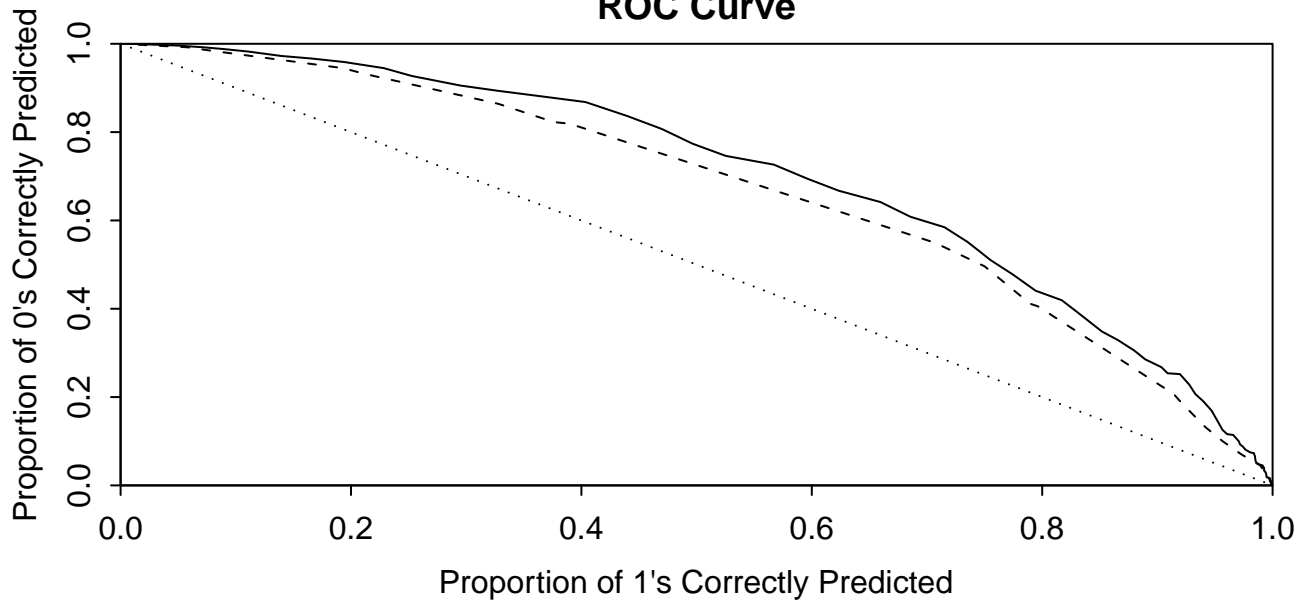
**First Differences in Expected Values:  $E(Y|X_1) - E(Y|X)$**



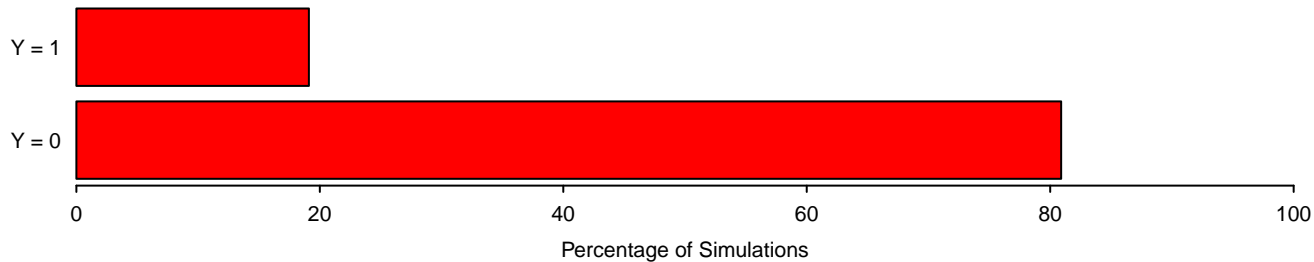
**Risk Ratios:  $P(Y=1|X_1)/P(Y=1|X)$**



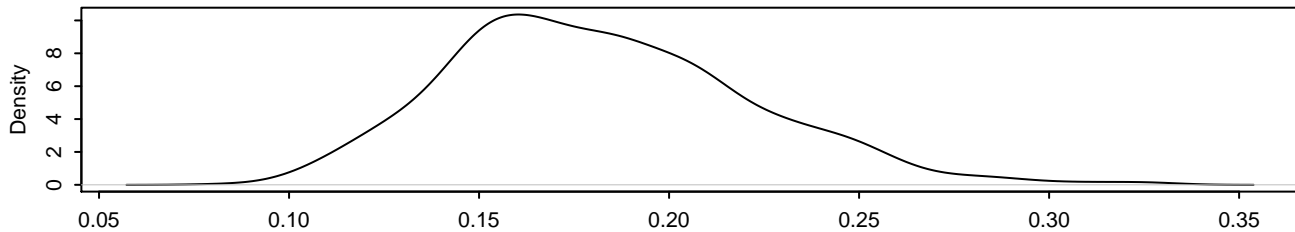
**ROC Curve**



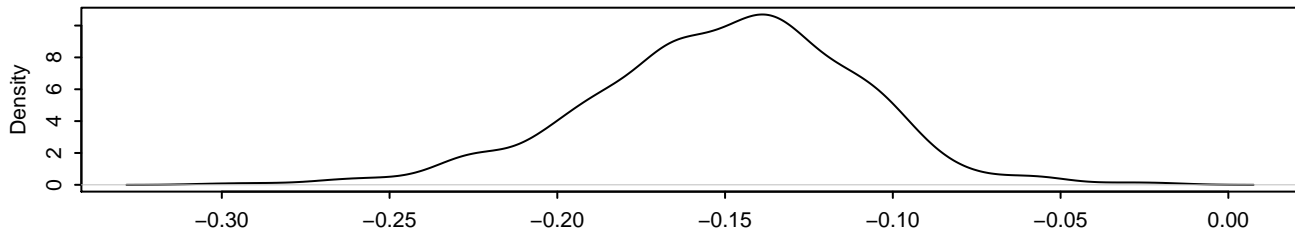
**Predicted Values:  $Y|X$**



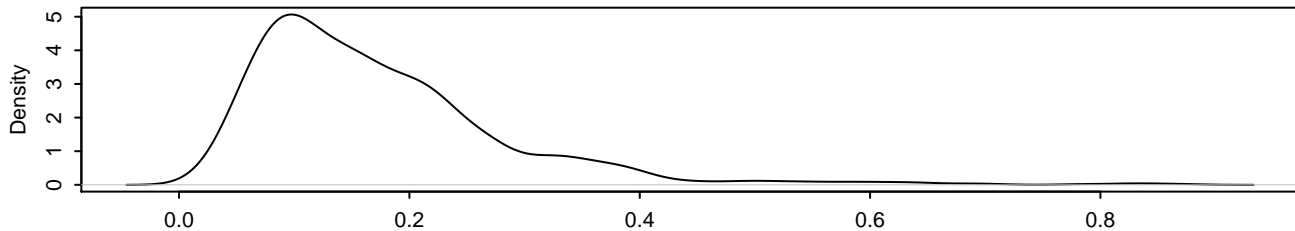
**Expected Values:  $E(Y|X)$**



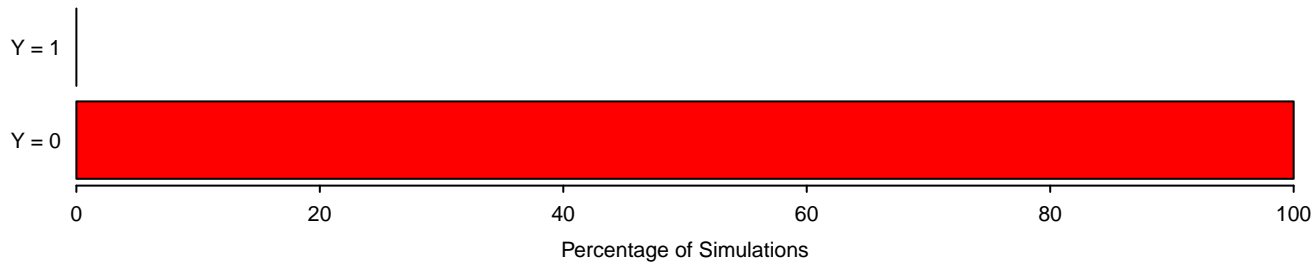
**First Differences in Expected Values:  $E(Y|X_1) - E(Y|X)$**



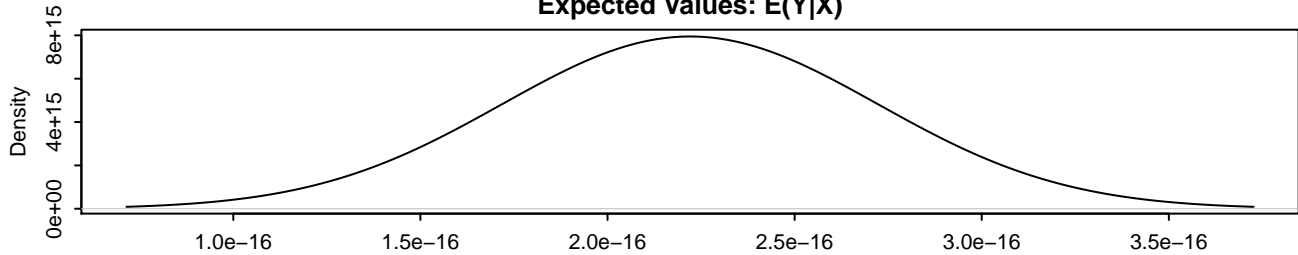
**Risk Ratios:  $P(Y=1|X_1)/P(Y=1|X)$**



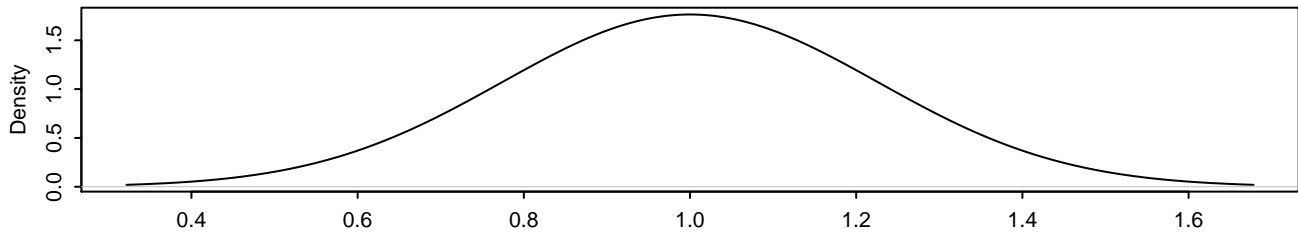
**Predicted Values:  $Y|X$**



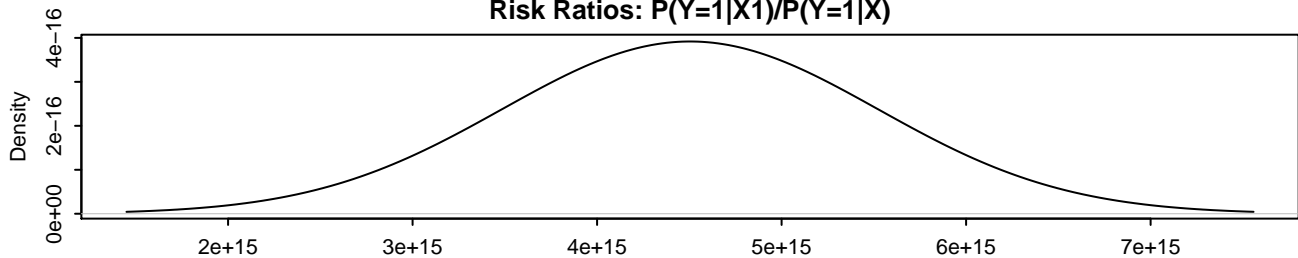
**Expected Values:  $E(Y|X)$**



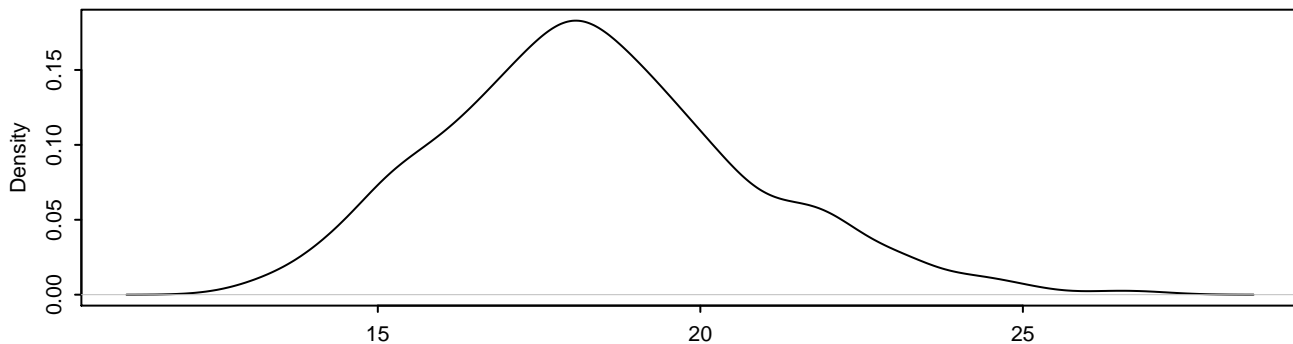
**First Differences in Expected Values:  $E(Y|X_1) - E(Y|X)$**



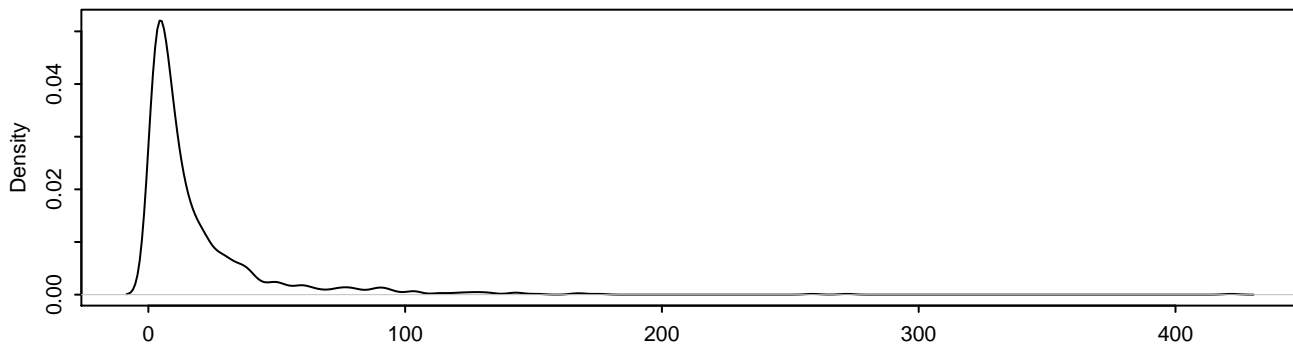
**Risk Ratios:  $P(Y=1|X_1)/P(Y=1|X)$**



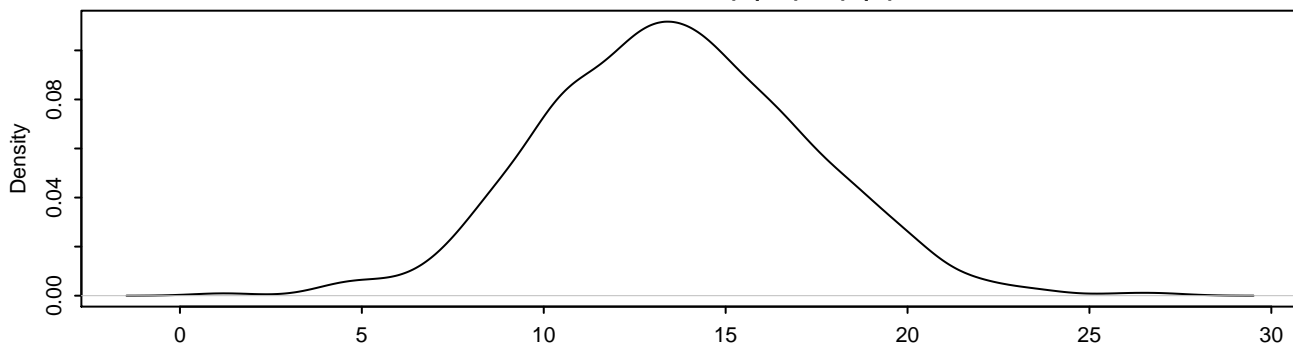
**Expected Values:  $E(Y|X)$**



**Predicted Values:  $Y|X$**

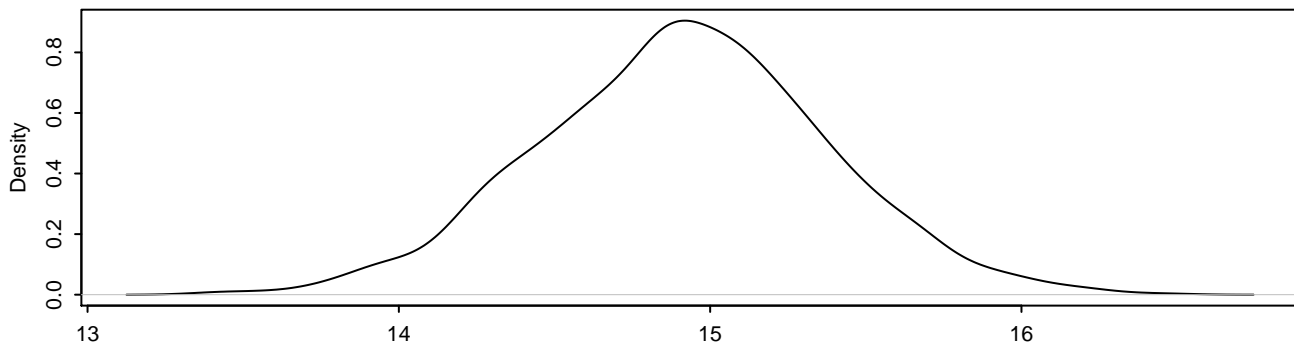


**First Differences:  $E(Y|X_1) - E(Y|X)$**

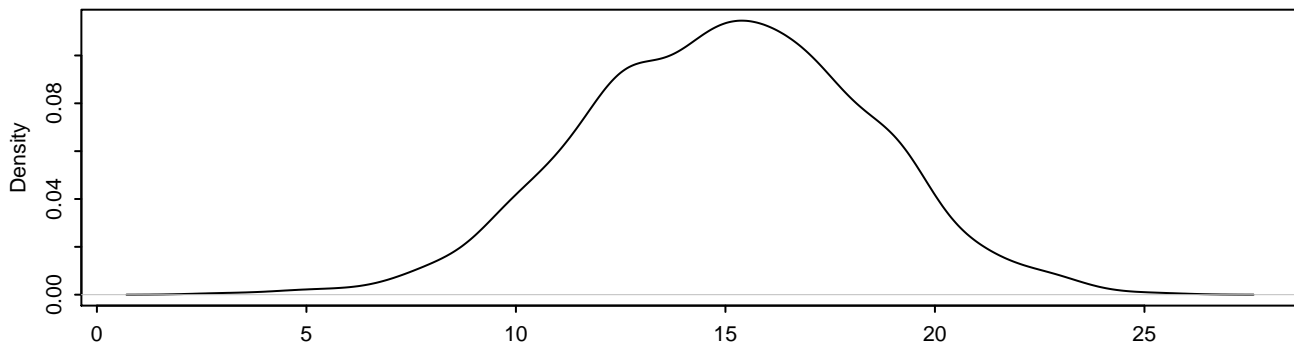




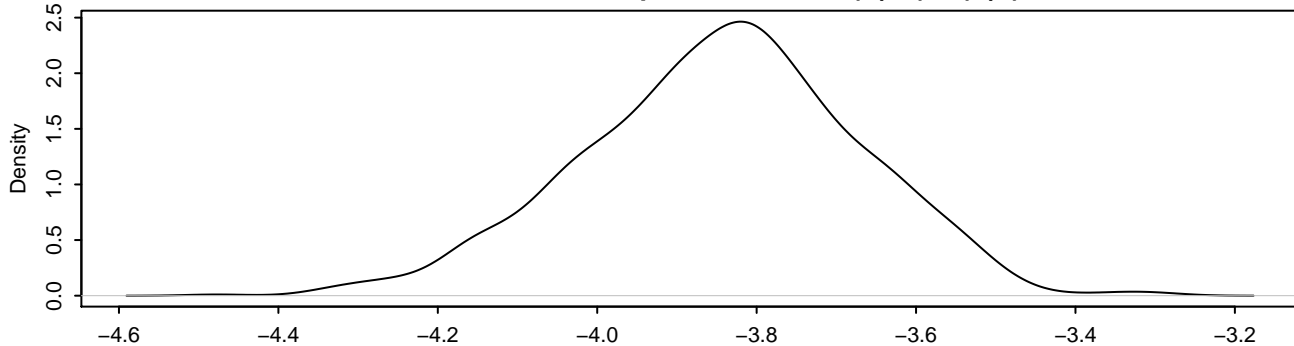
**Expected Values:  $E(Y|X)$**



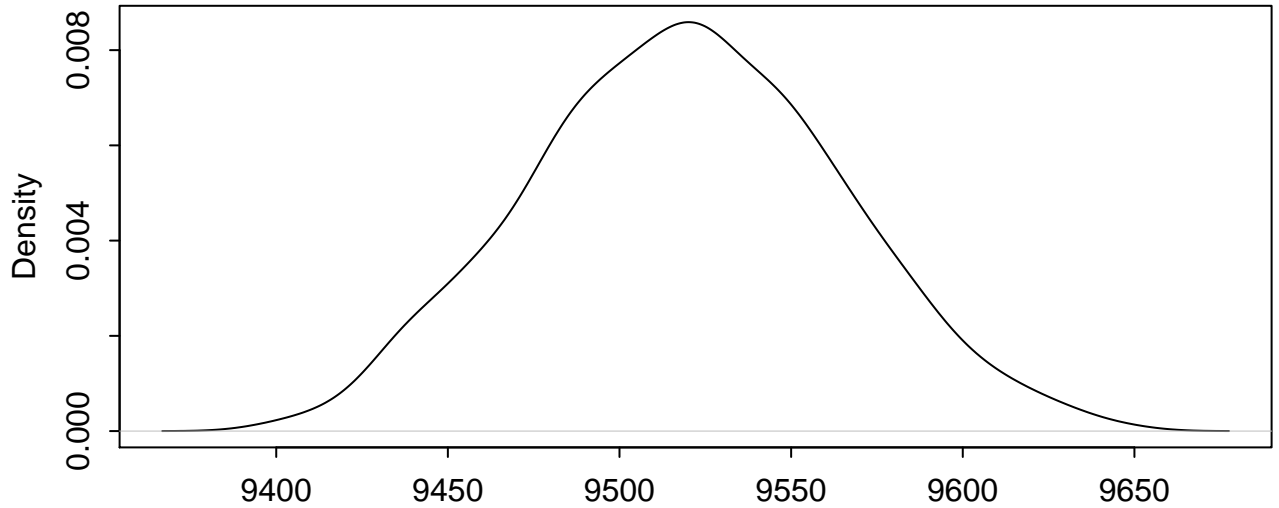
**Predicted Values:  $Y|X$**



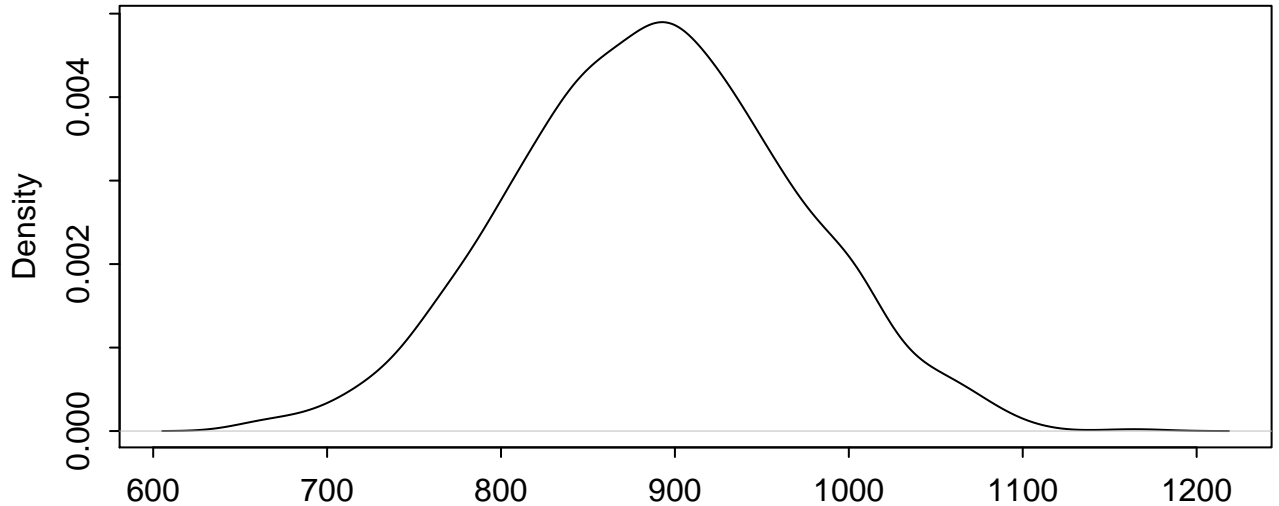
**First Differences in Expected Values:  $E(Y|X_1) - E(Y|X)$**



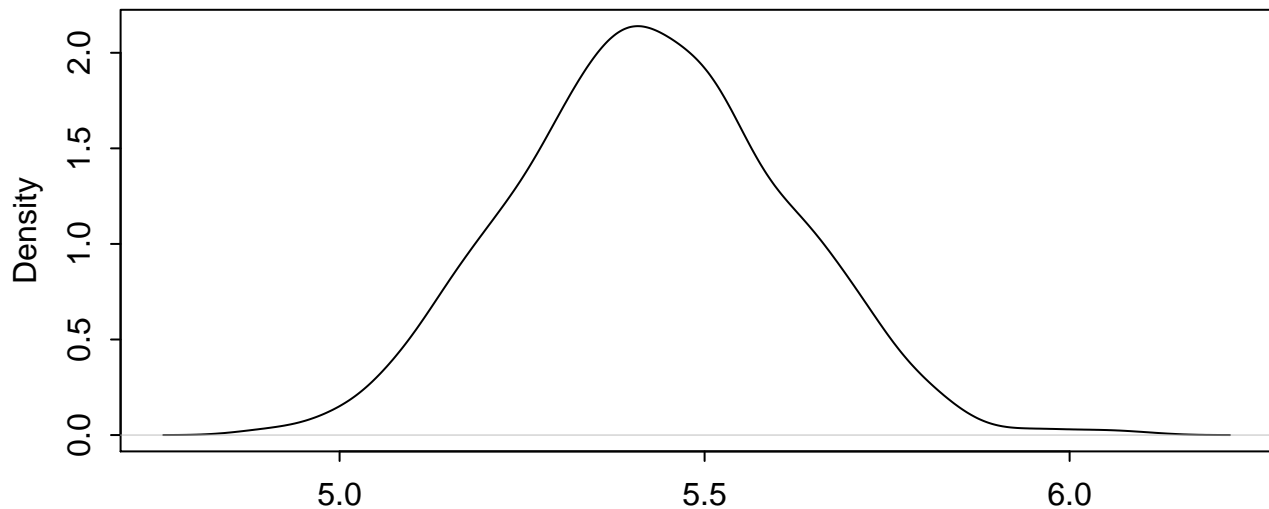
**Expected Values:  $E(Y|X)$**



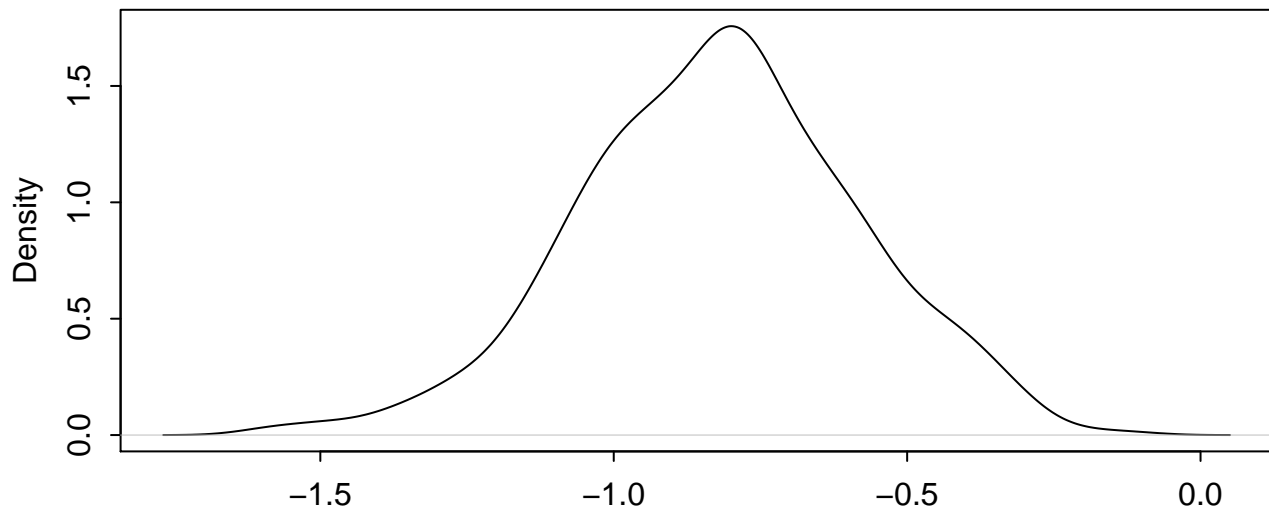
**First Differences in Expected Values:  $E(Y|X_1) - E(Y|X)$**



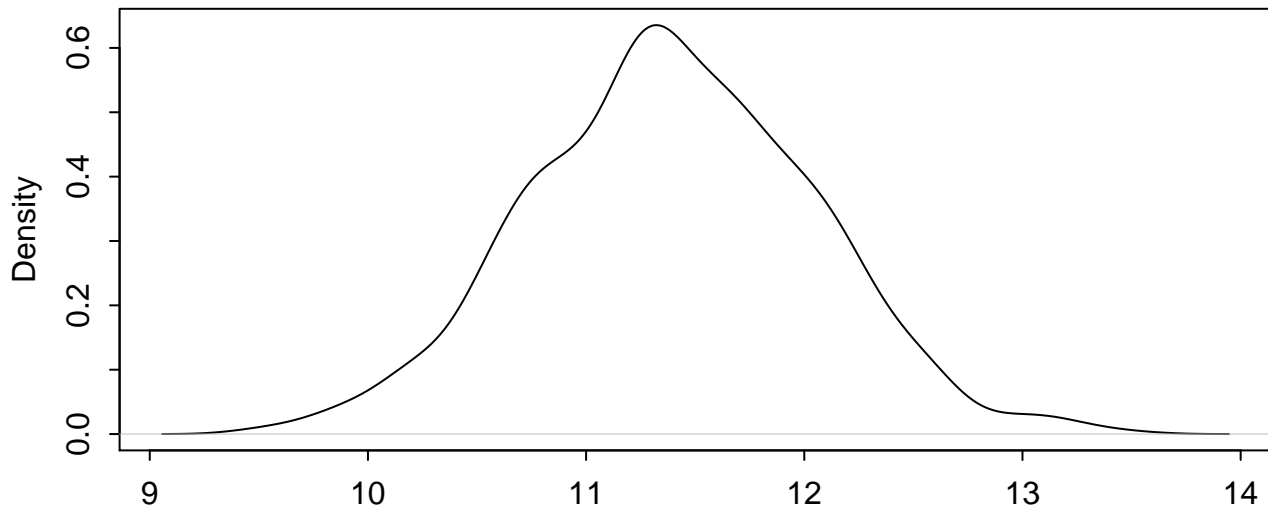
**Expected Values:  $E(Y|X)$**



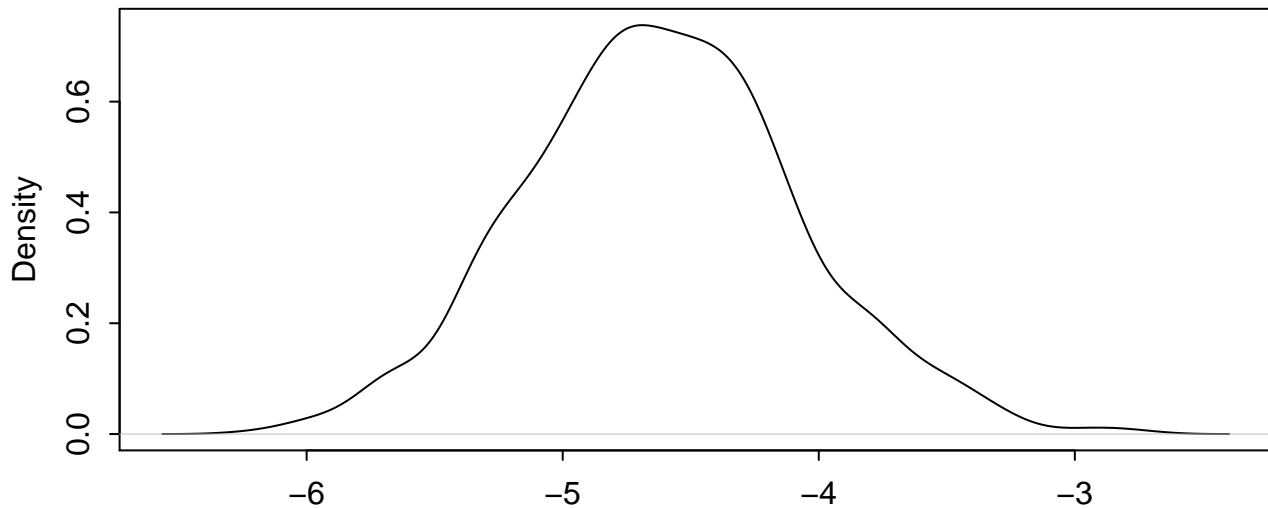
**First Differences in Expected Values:  $E(Y|X_1) - E(Y|X)$**



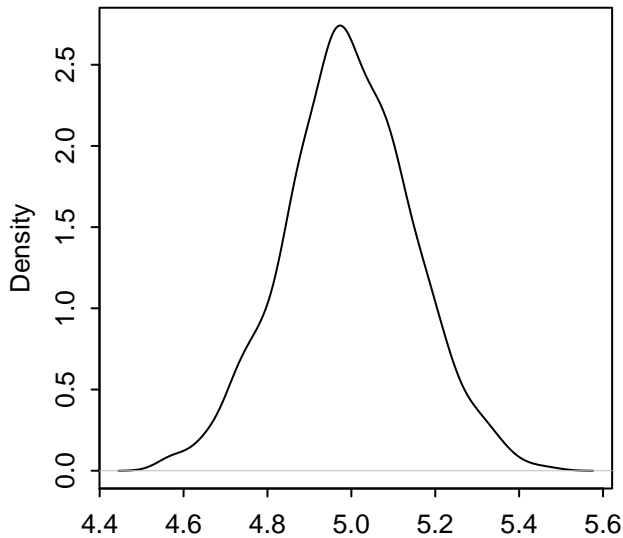
**Expected Values:  $E(Y|X)$**



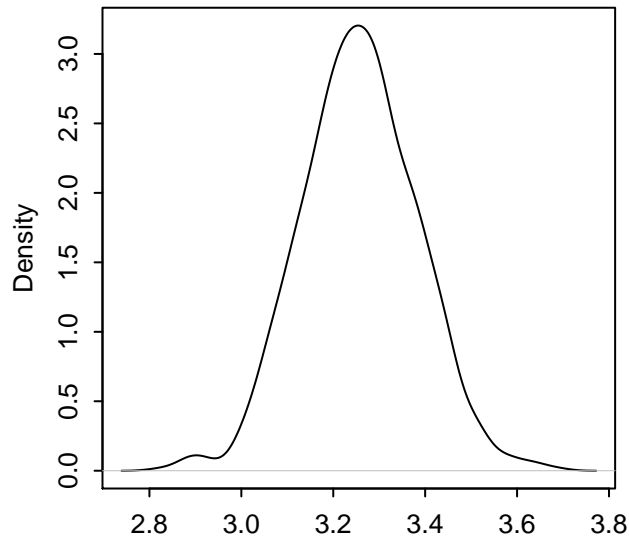
**First Differences in Expected Values:  $E(Y|X_1) - E(Y|X)$**



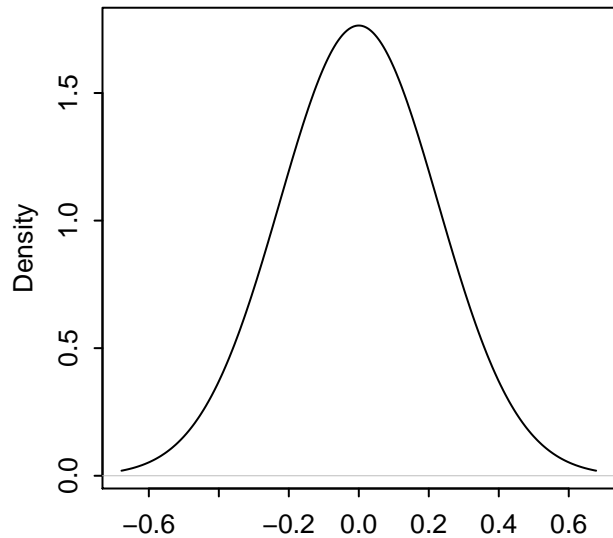
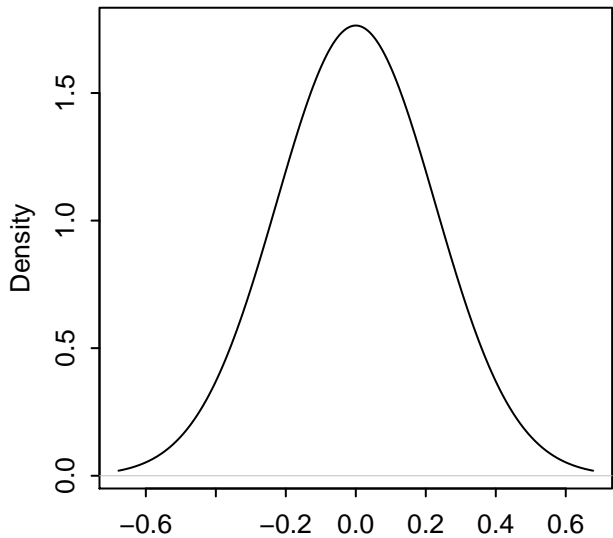
**Expected Values:  $E(Y|X)$**



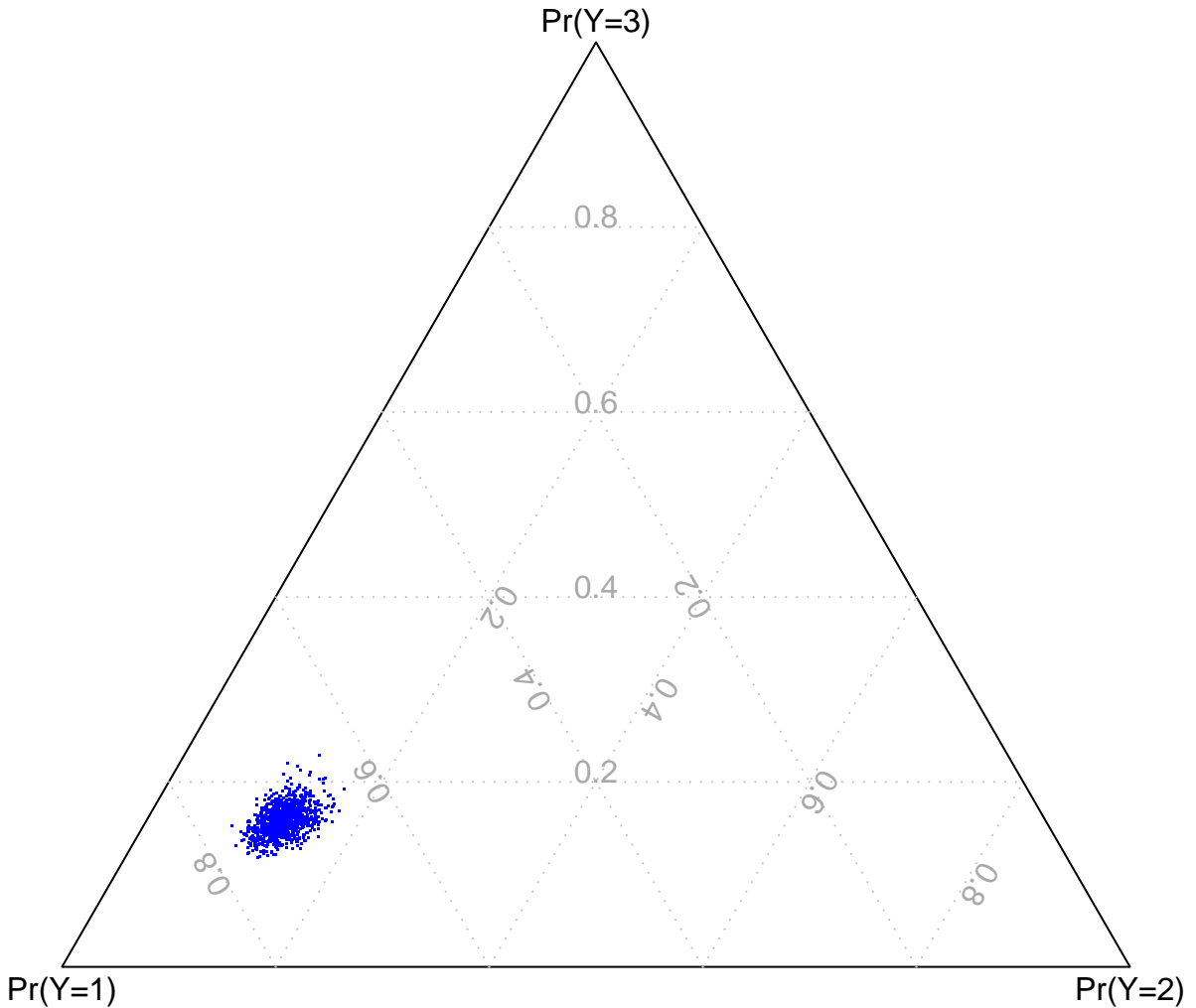
**Expected Values:  $E(Y|X)$**



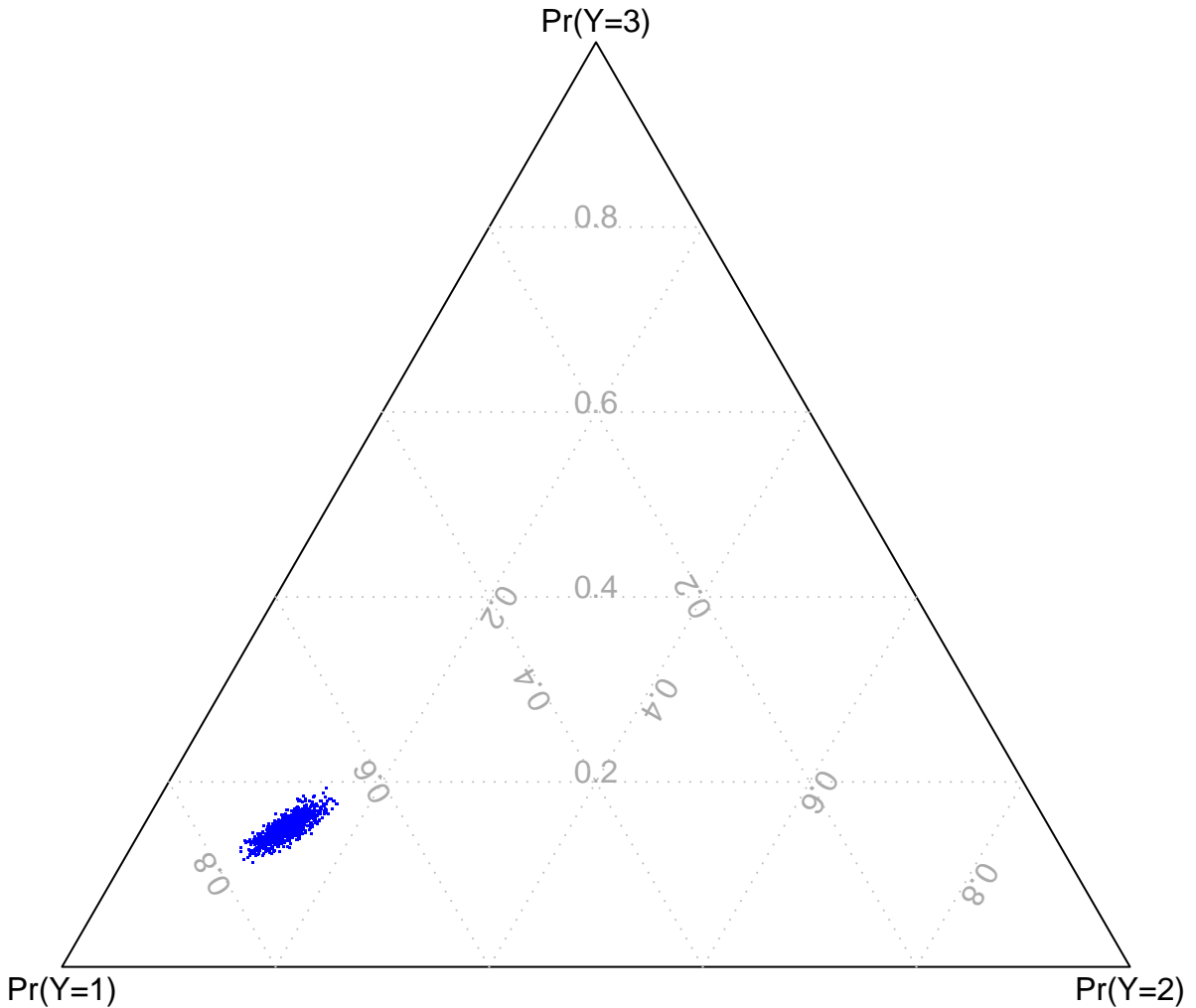
**First Differences in Expected Values:  $E(Y|X_1)$**



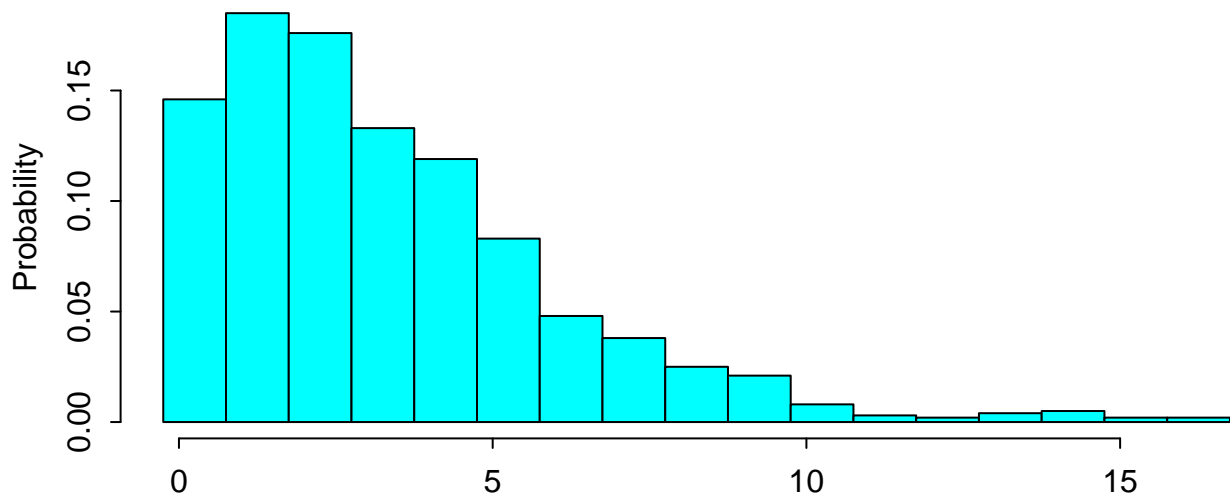
# 1988 Mexican Presidential Election



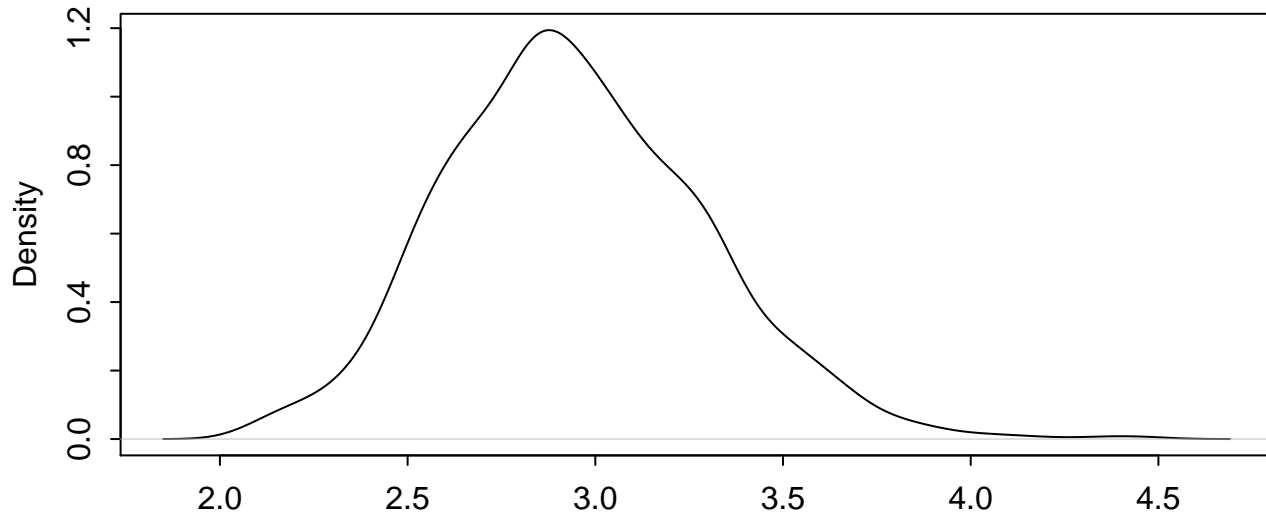
# 1988 Mexican Presidential Election



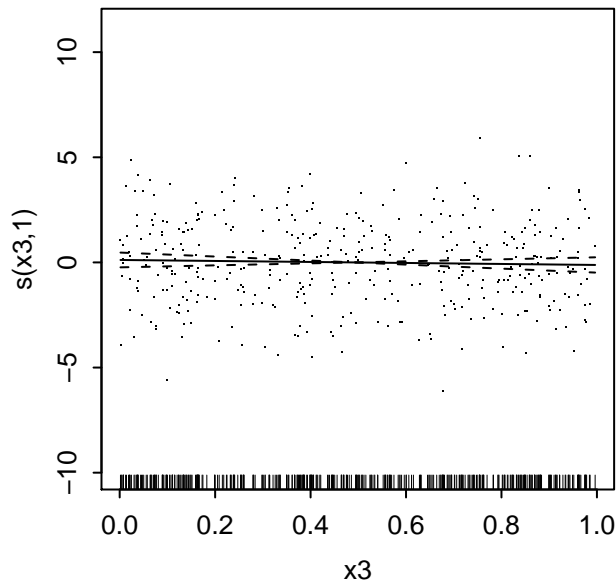
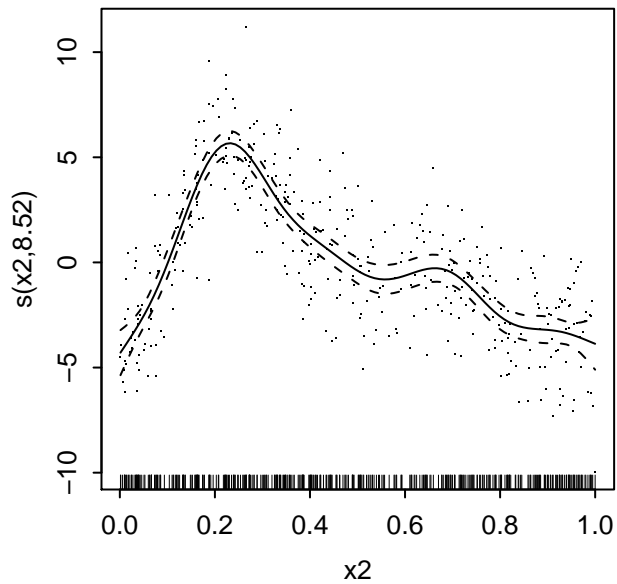
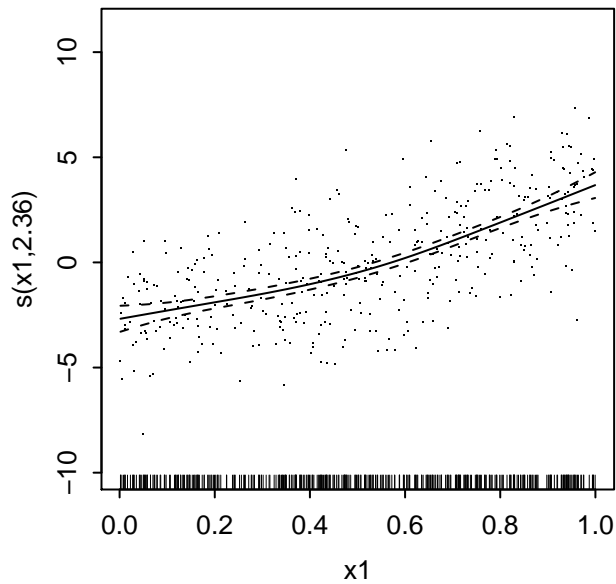
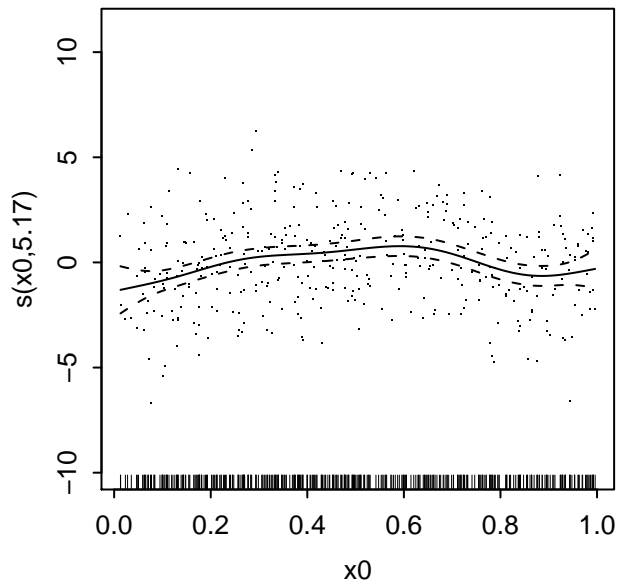
**Predicted Values:  $Y|X$**

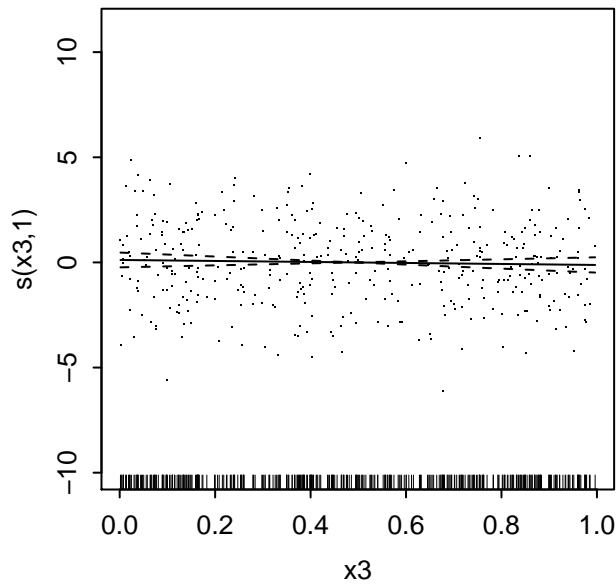
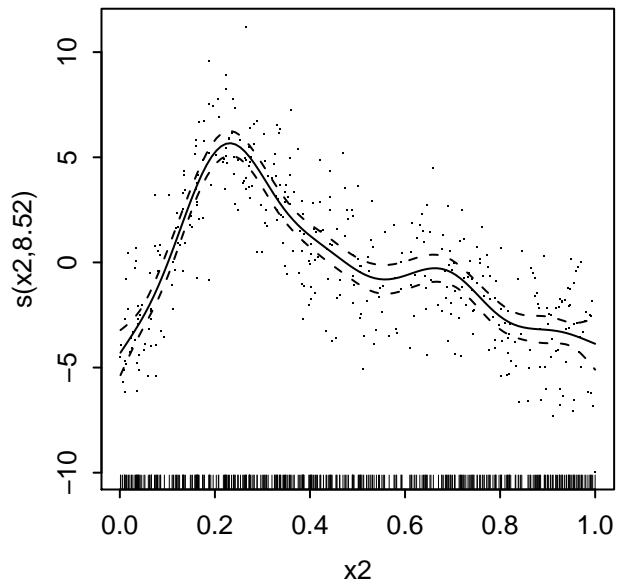
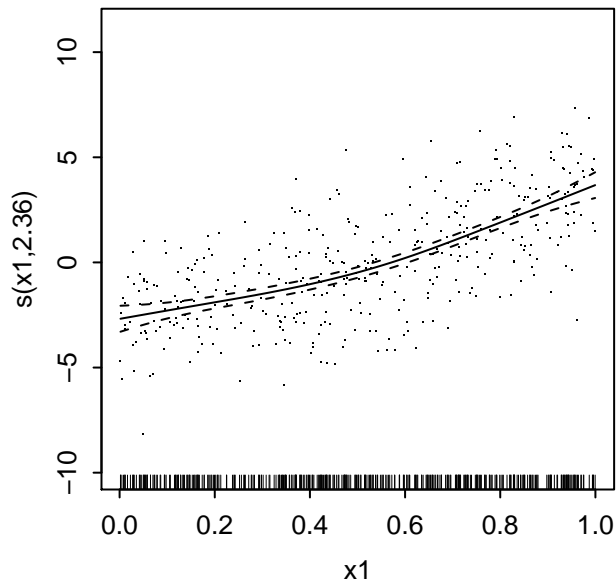
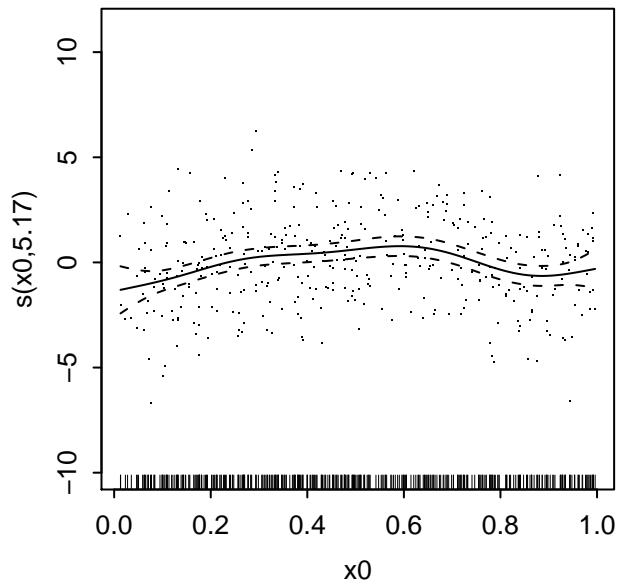


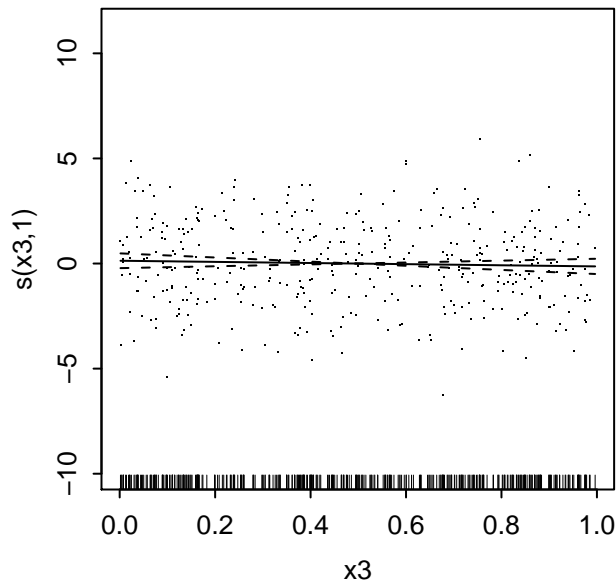
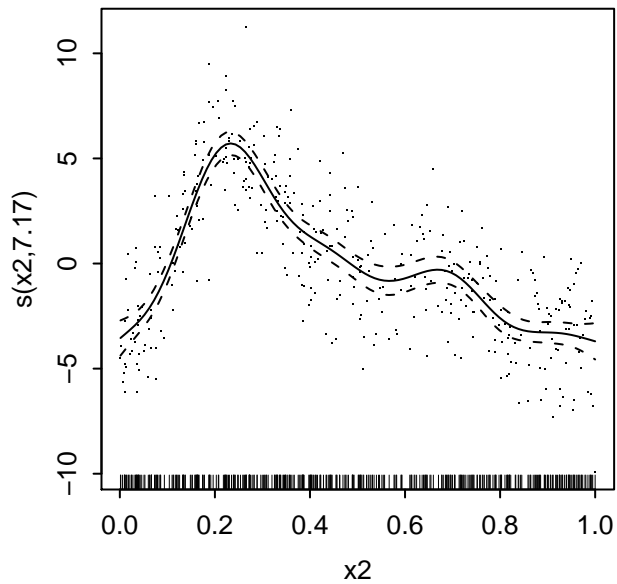
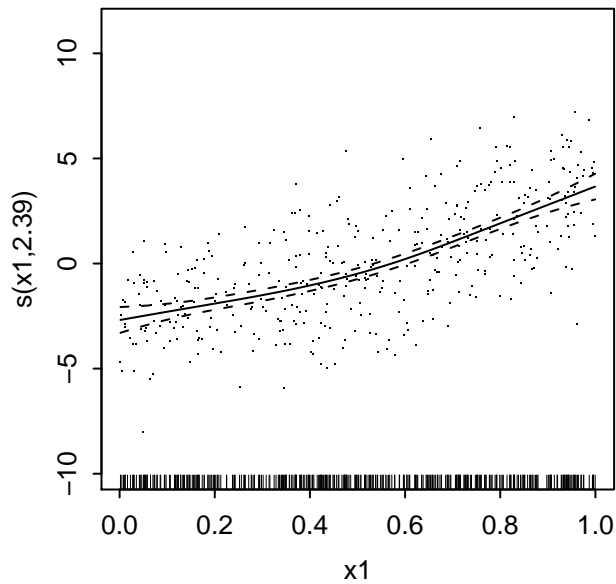
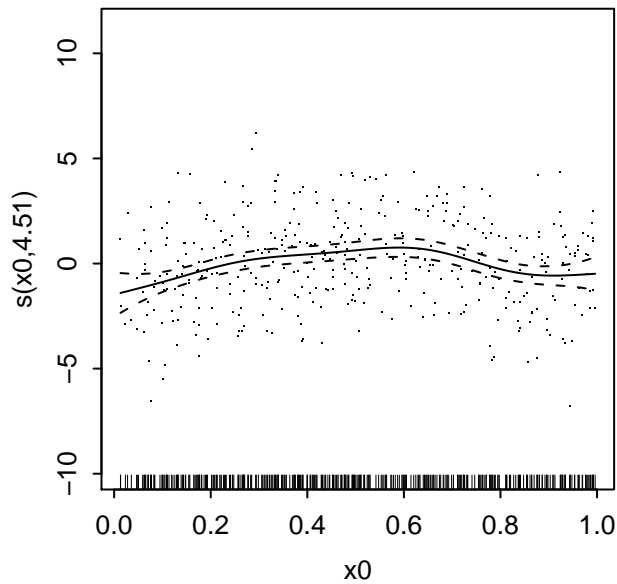
**Expected Values:  $E(Y|X)$**

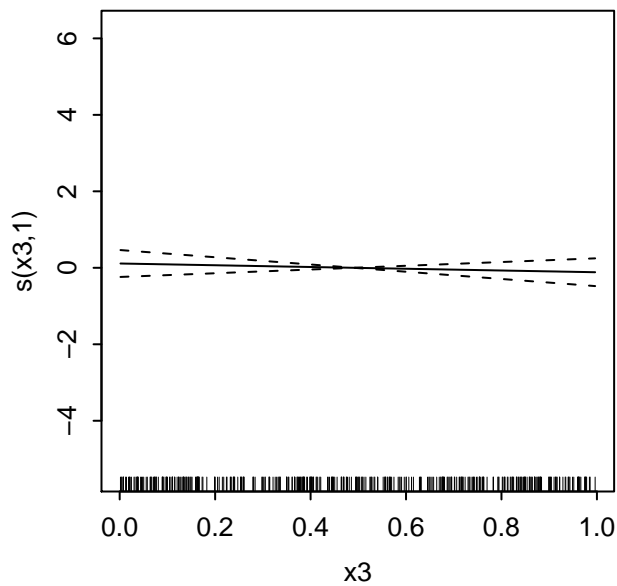
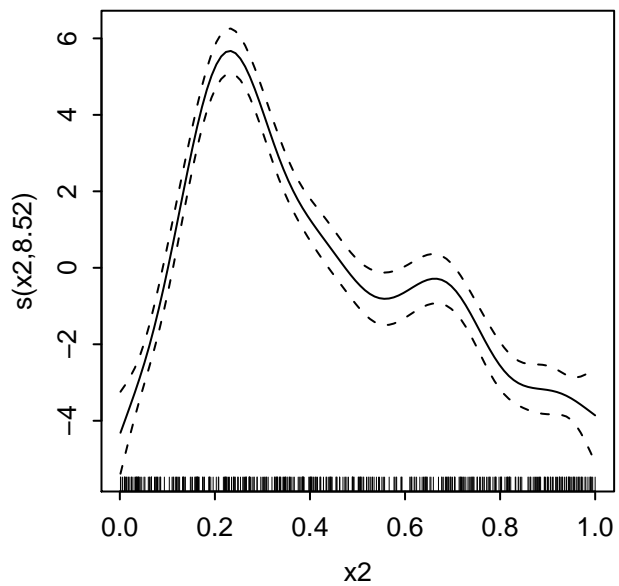
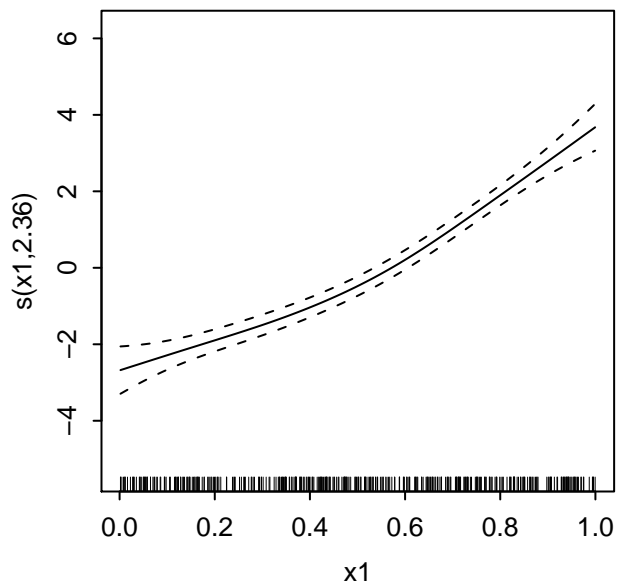
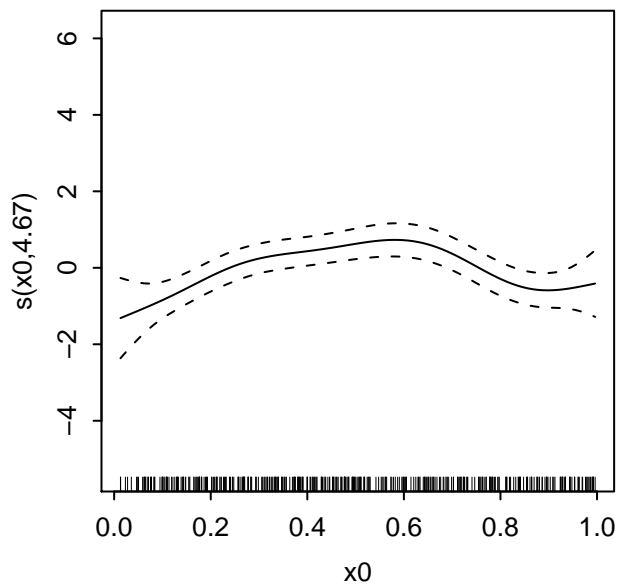


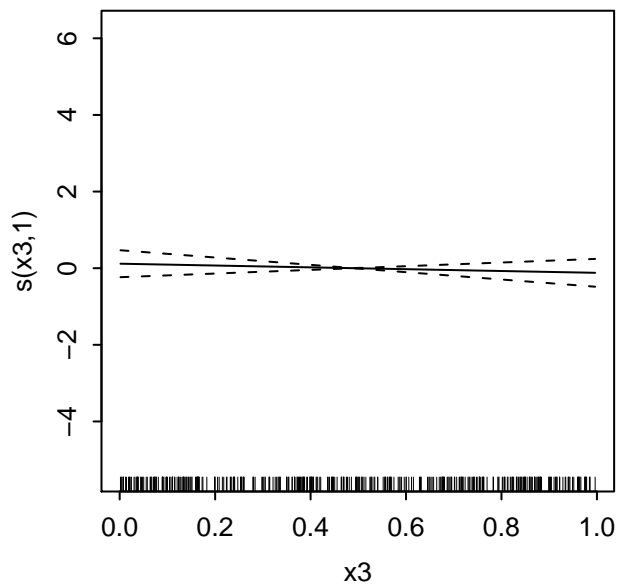
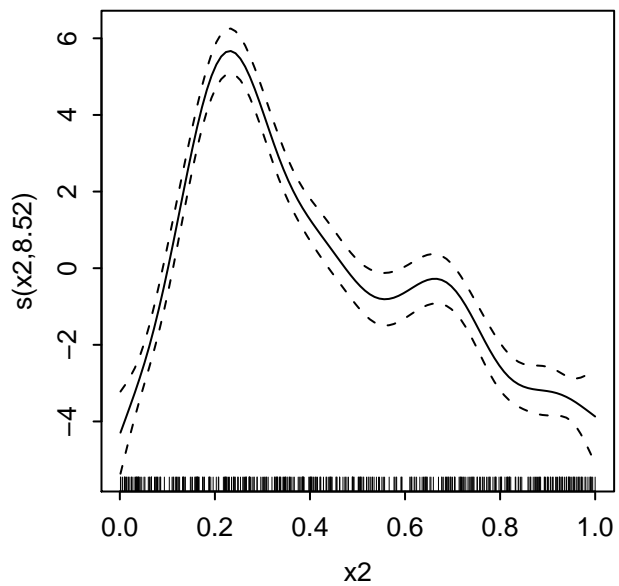
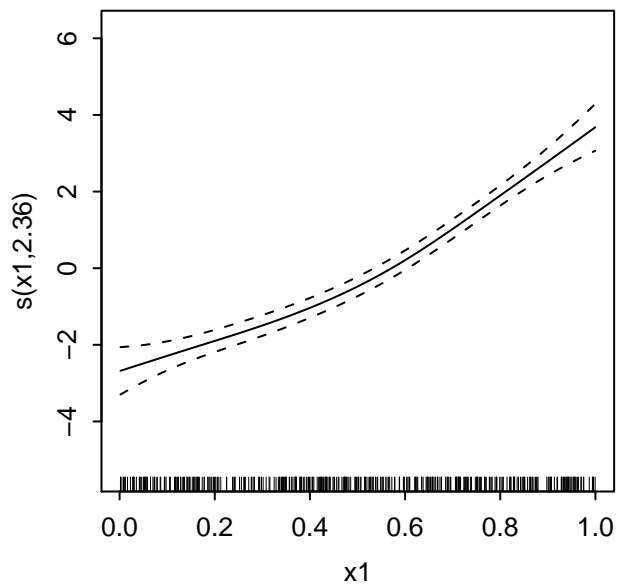
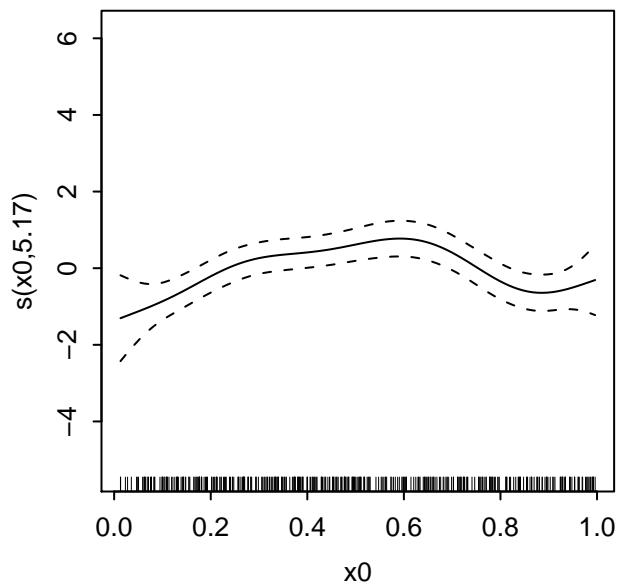


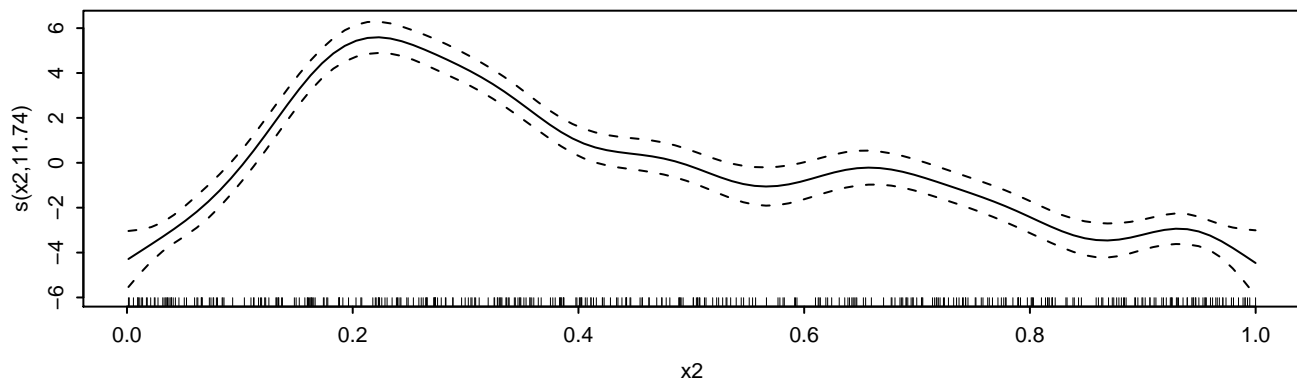
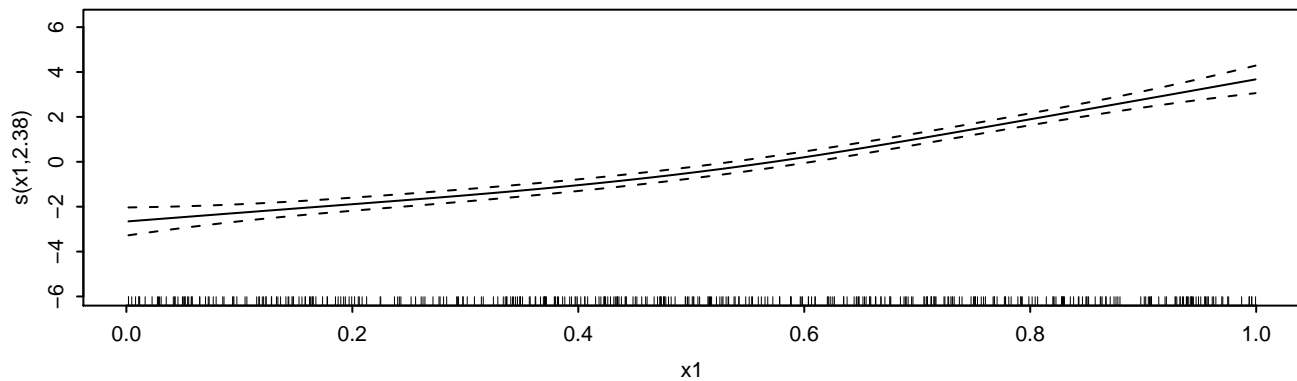
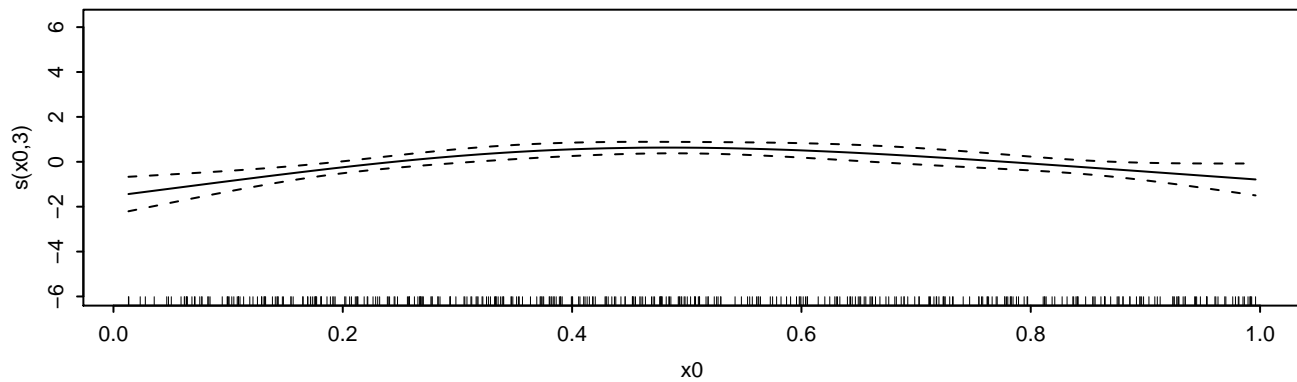




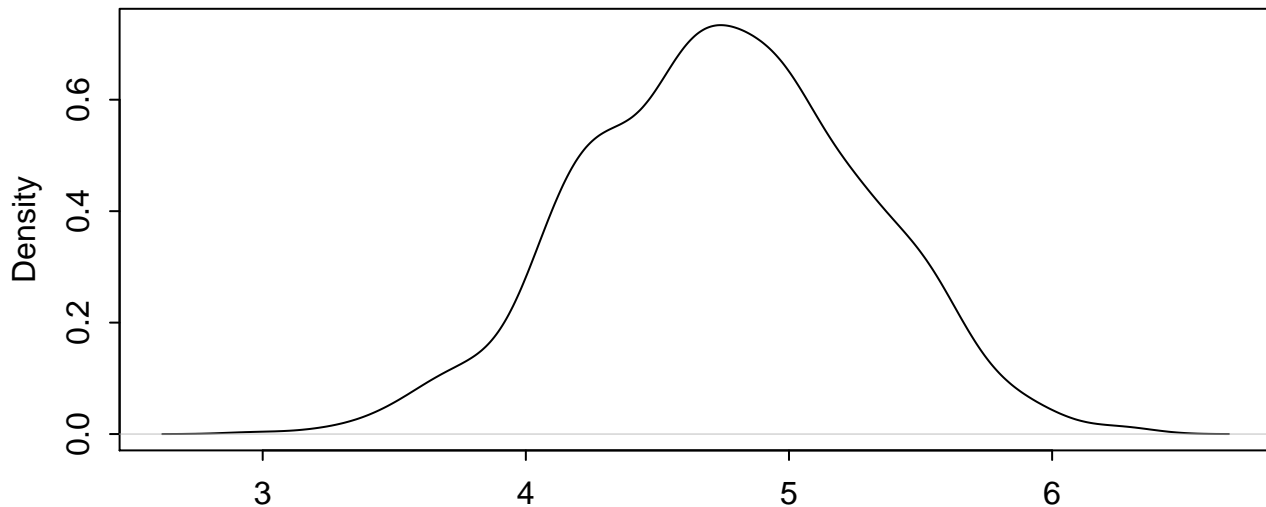




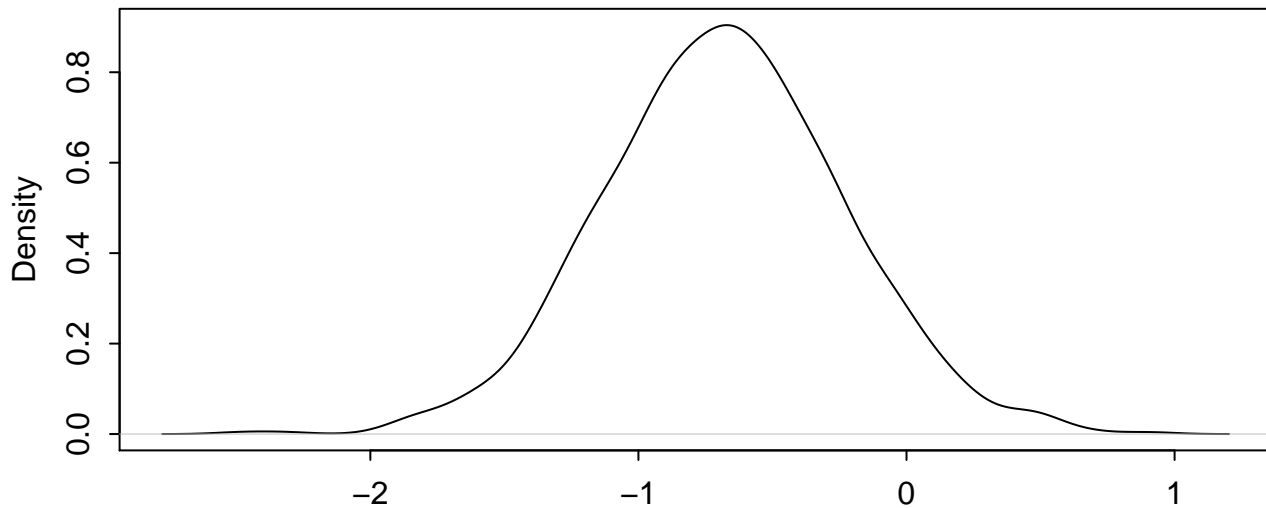




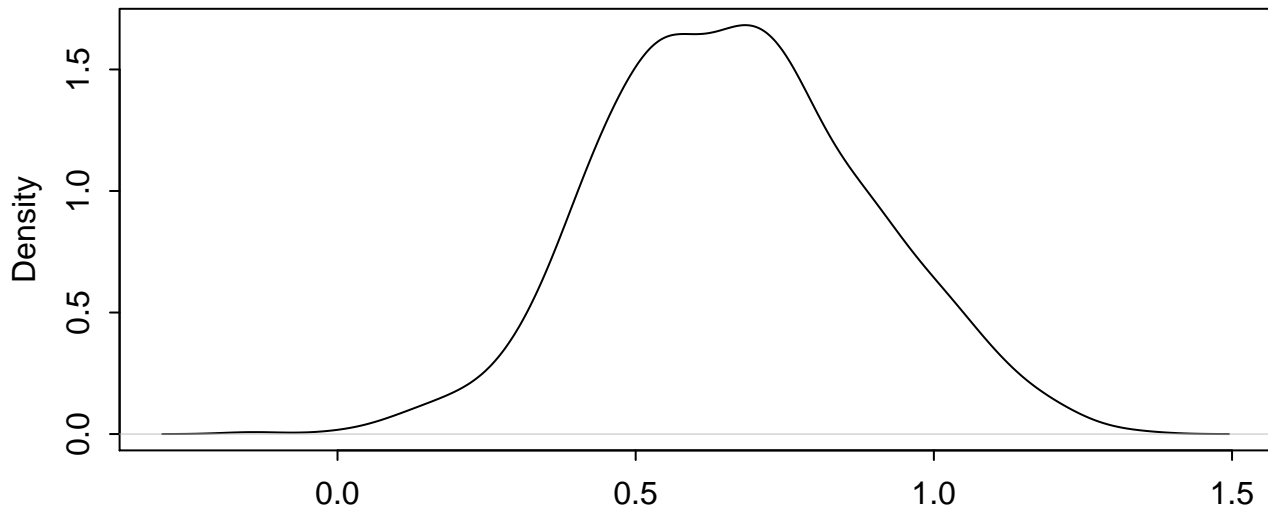
**Expected Values:  $E(Y|X)$**



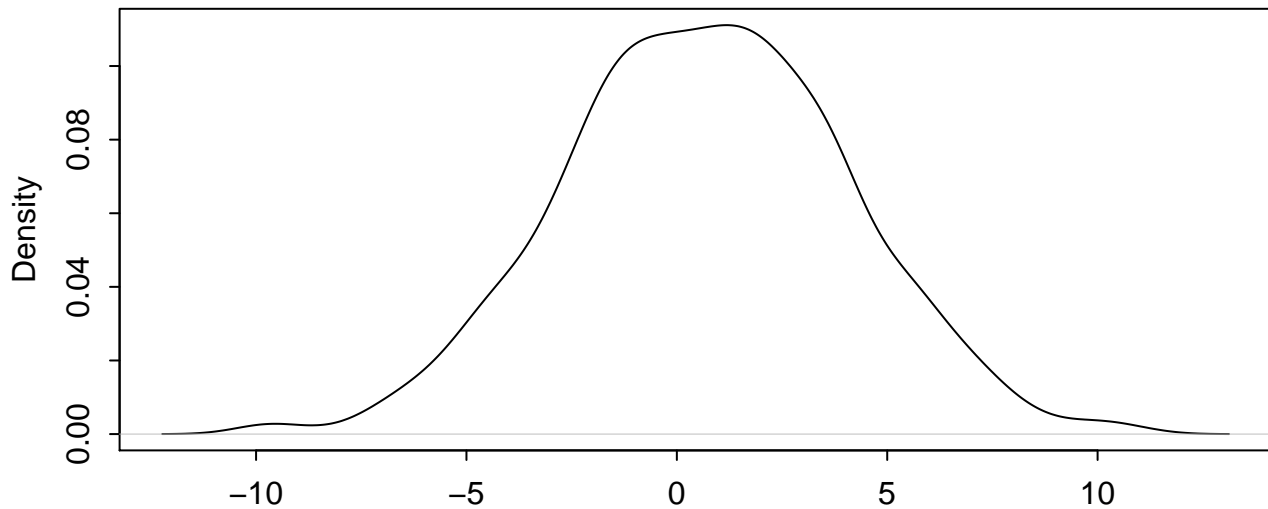
**First Differences in Expected Values:  $E(Y|X_1) - E(Y|X)$**



**Expected Values:  $E(Y|X)$**

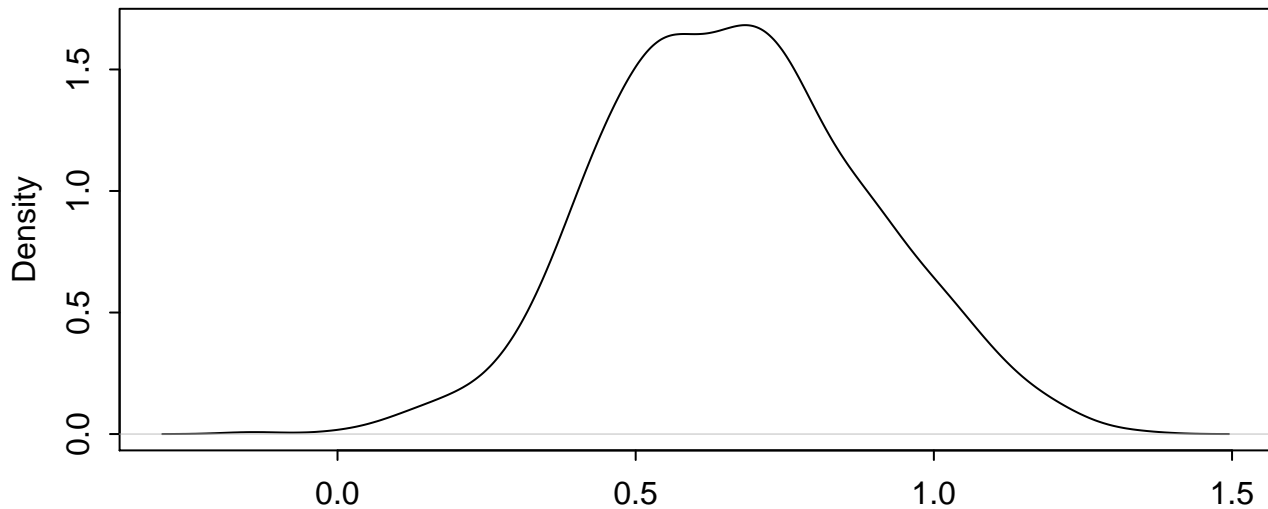


**Predicted Values:  $Y|X$**

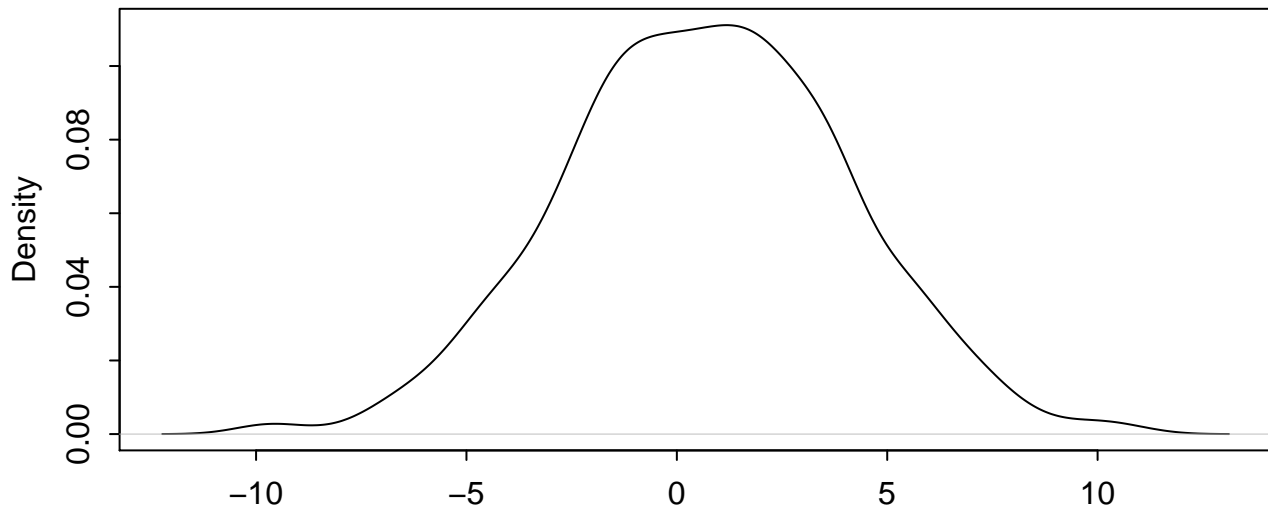




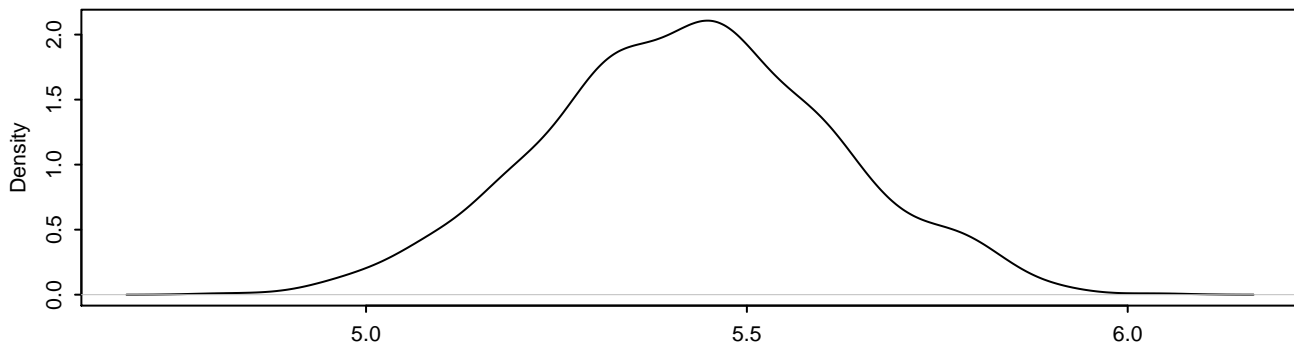
**Expected Values:  $E(Y|X)$**



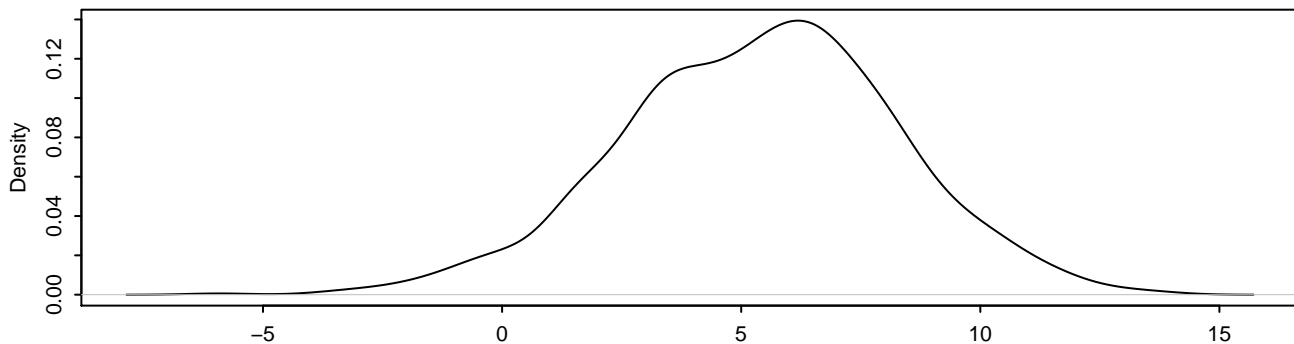
**Predicted Values:  $Y|X$**



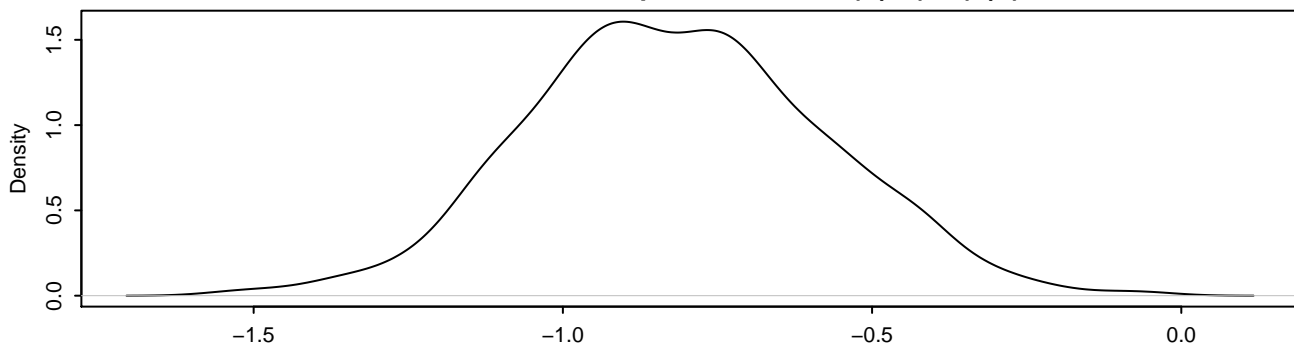
**Expected Values:  $E(Y|X)$**



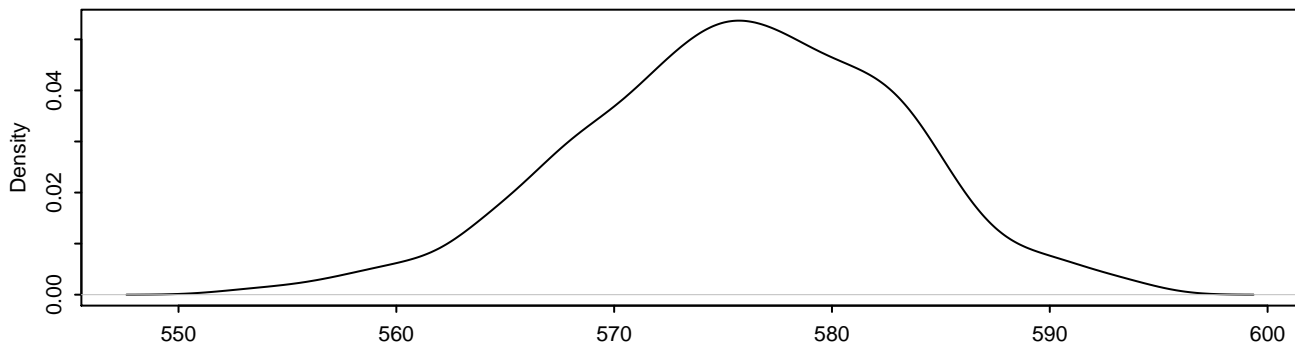
**Predicted Values:  $Y|X$**



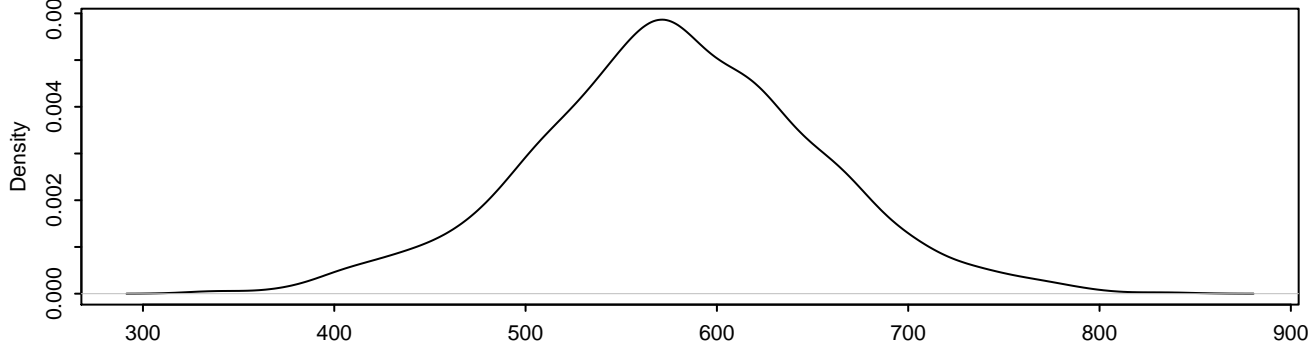
**First Differences in Expected Values:  $E(Y|X_1) - E(Y|X)$**



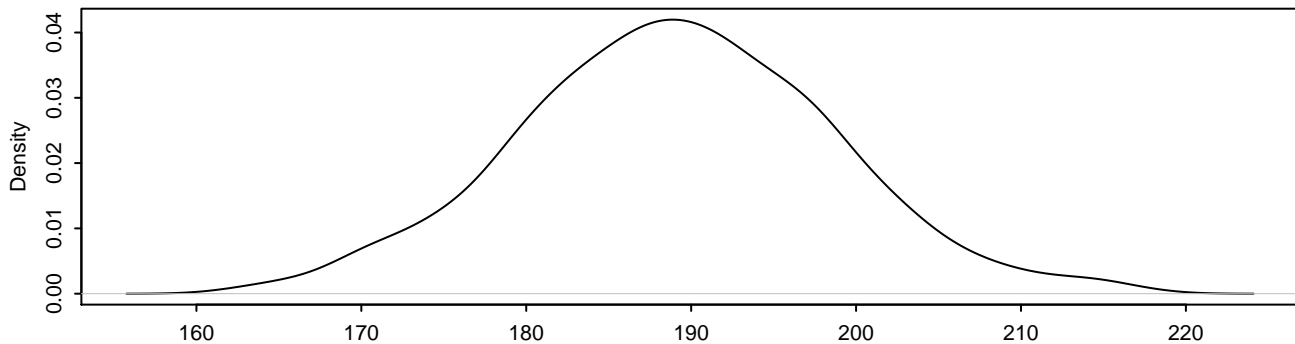
**Expected Values:  $E(Y|X)$**



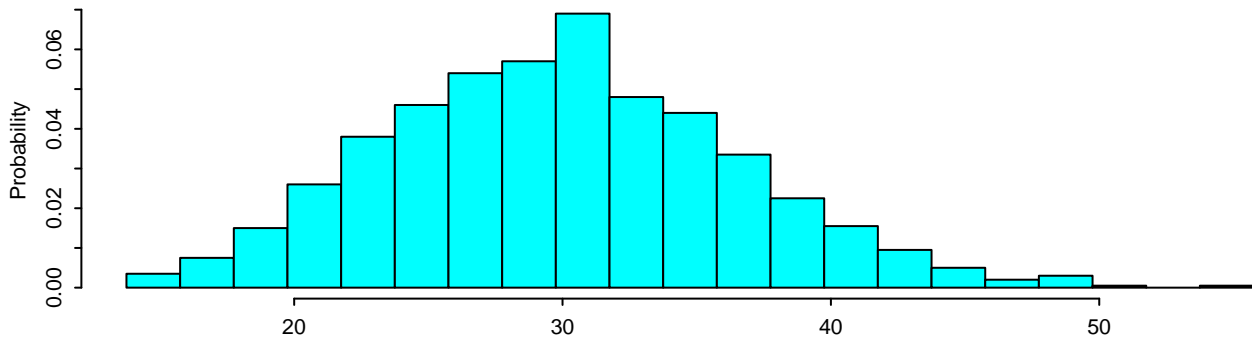
**Predicted Values:  $Y|X$**



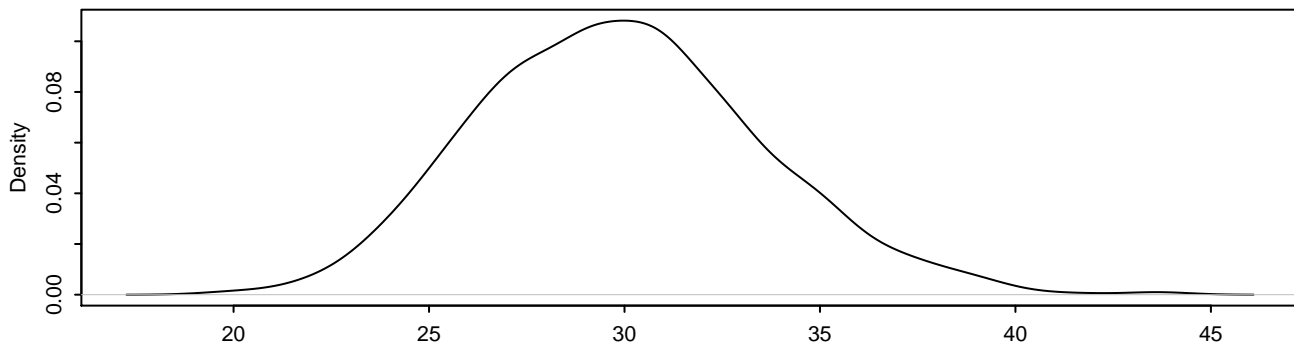
**First Differences in Expected Values:  $E(Y|X_1) - E(Y|X)$**



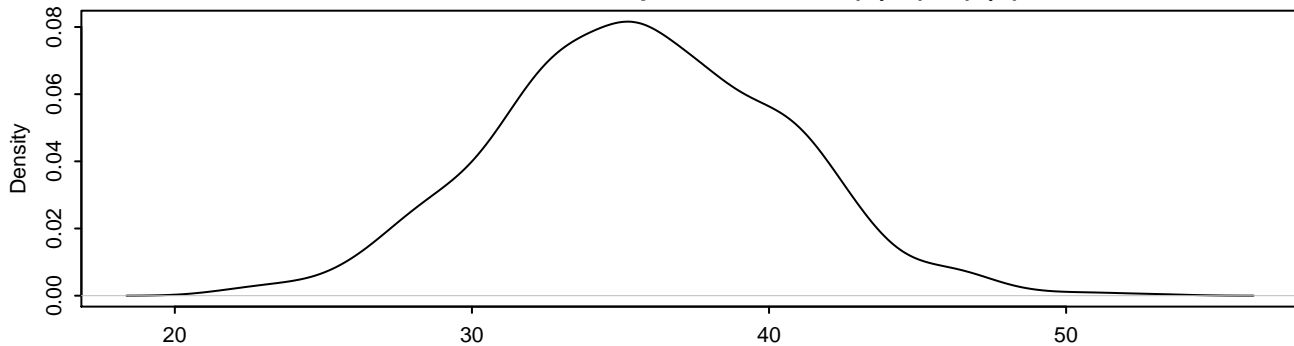
**Predicted Values:  $Y|X$**



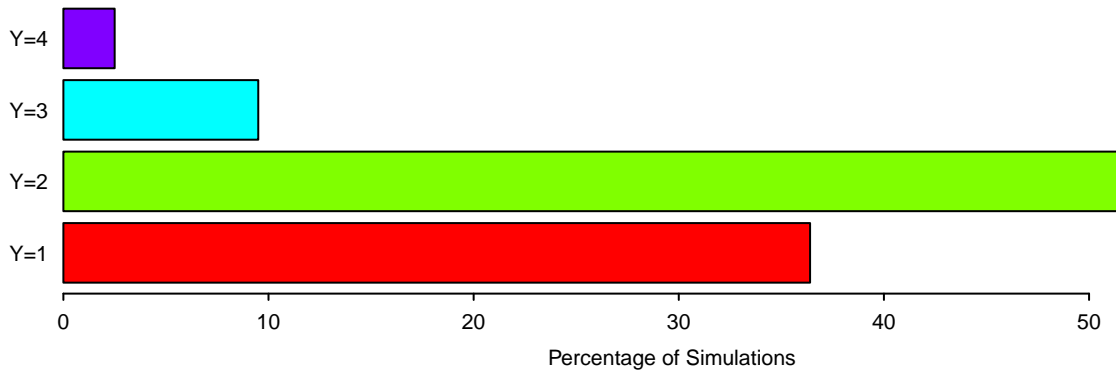
**Expected Values:  $E(Y|X)$**



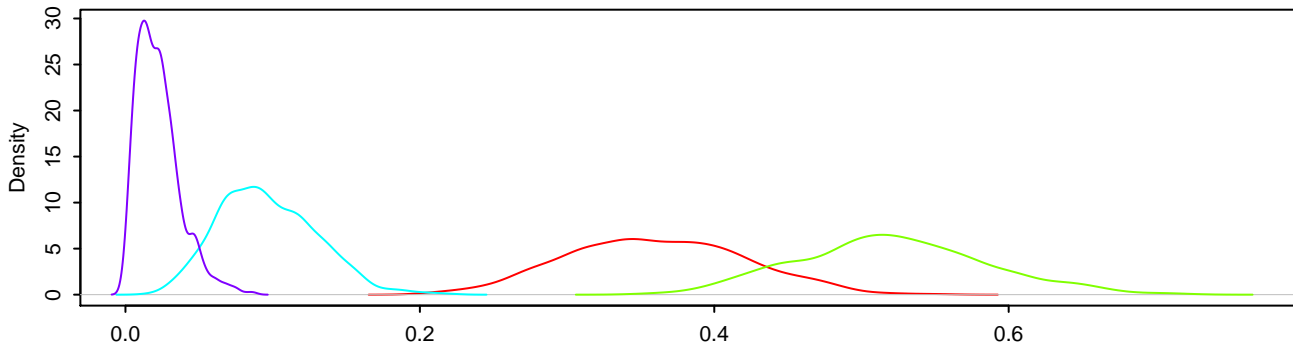
**First Differences in Expected Values:  $E(Y|X_1) - E(Y|X)$**



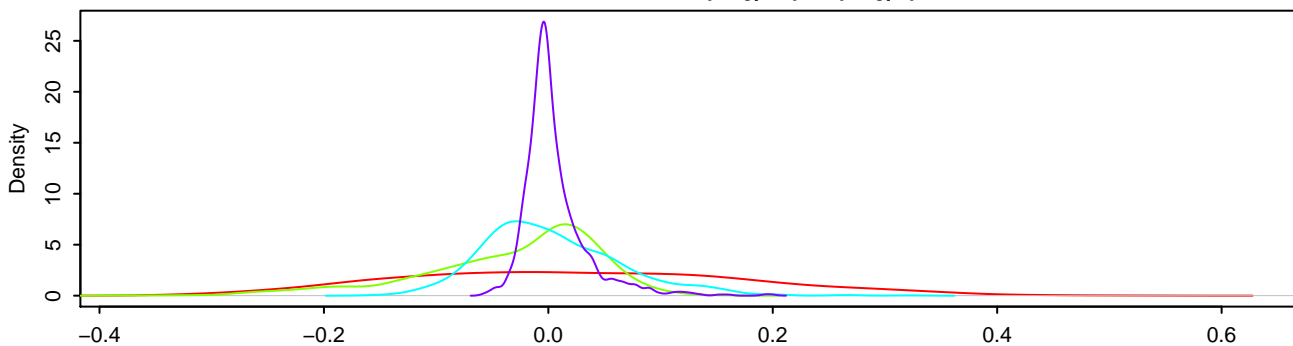
**Predicted Values:  $Y|X$**

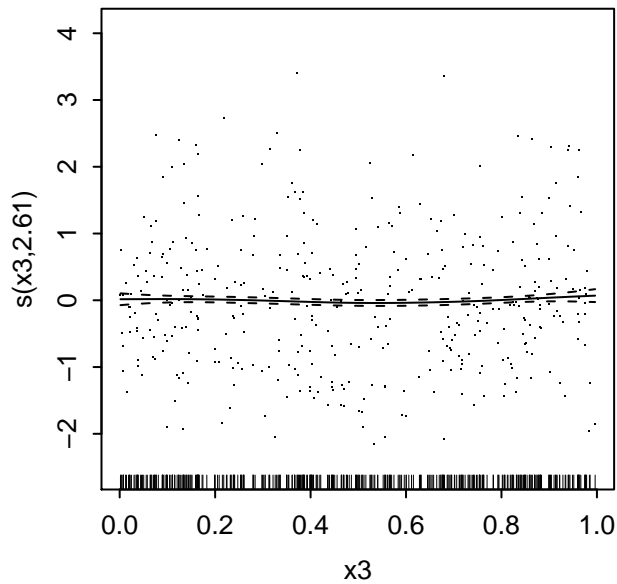
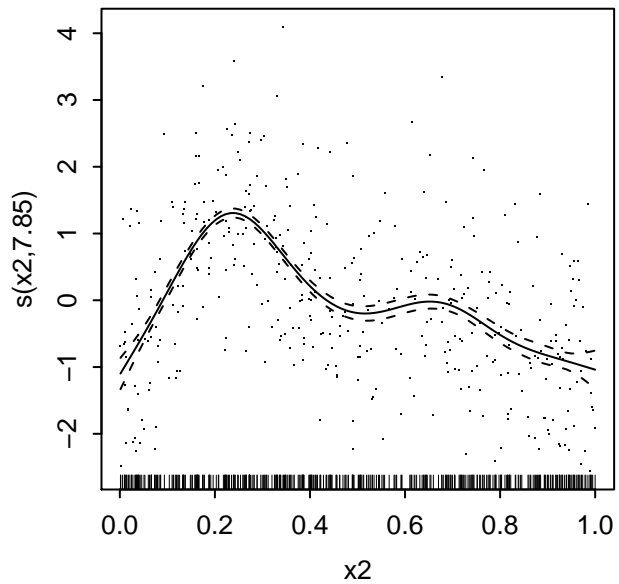
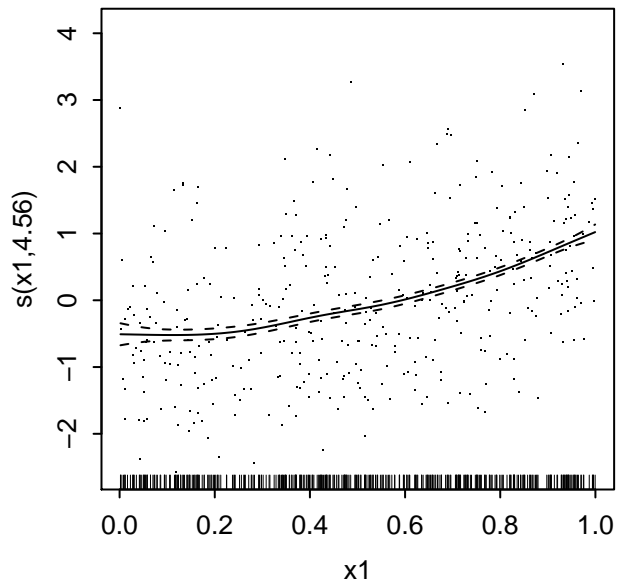
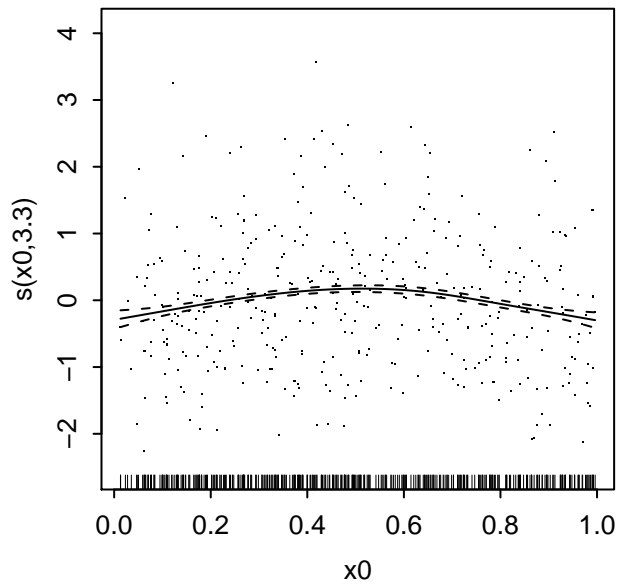


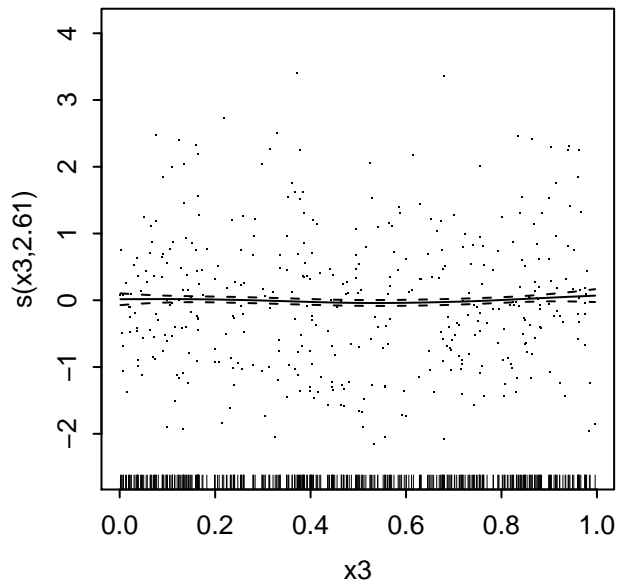
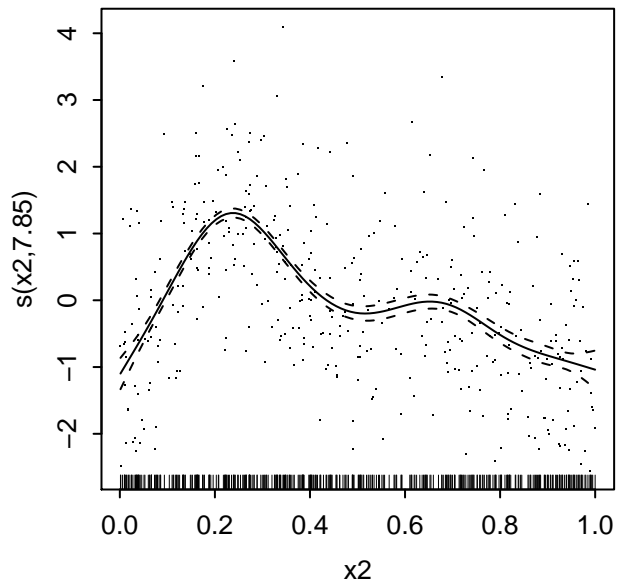
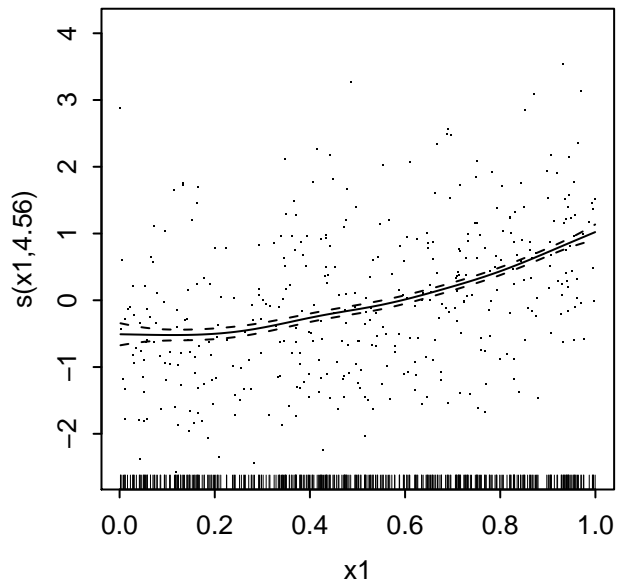
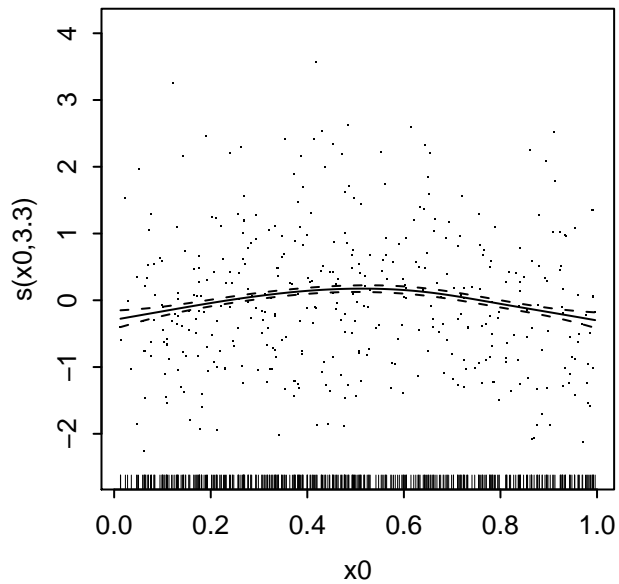
**Expected Values:  $P(Y=j|X)$**



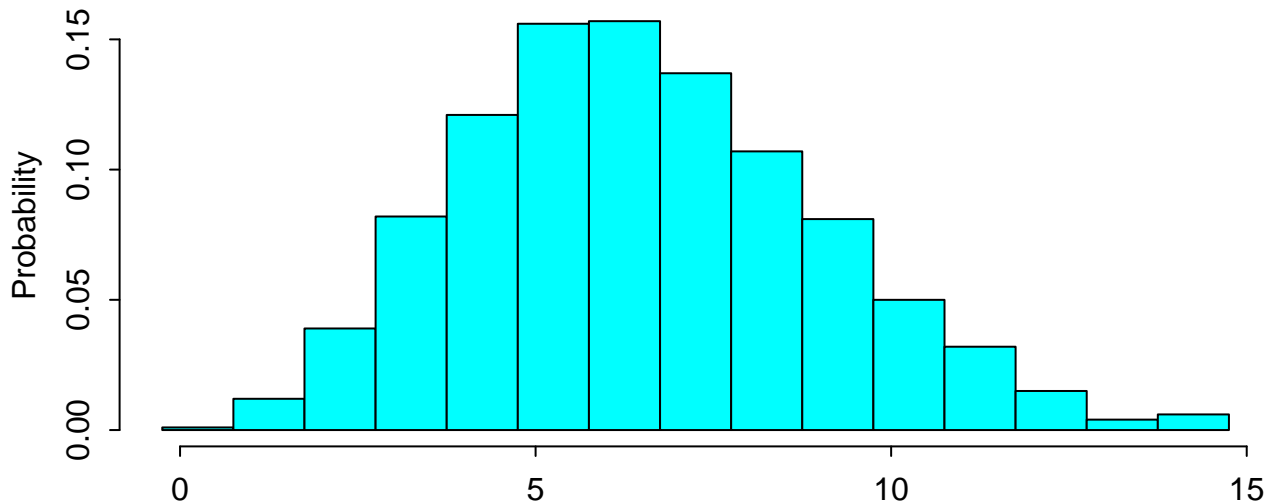
**First Differences:  $P(Y=j|X_1) - P(Y=j|X)$**



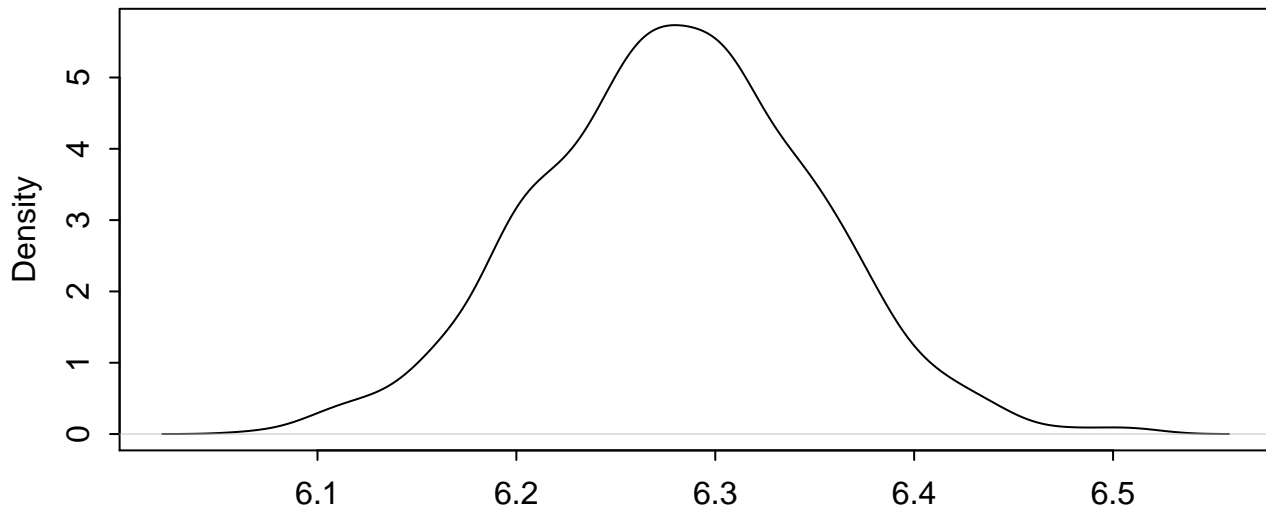




**Predicted Values:  $Y|X$**

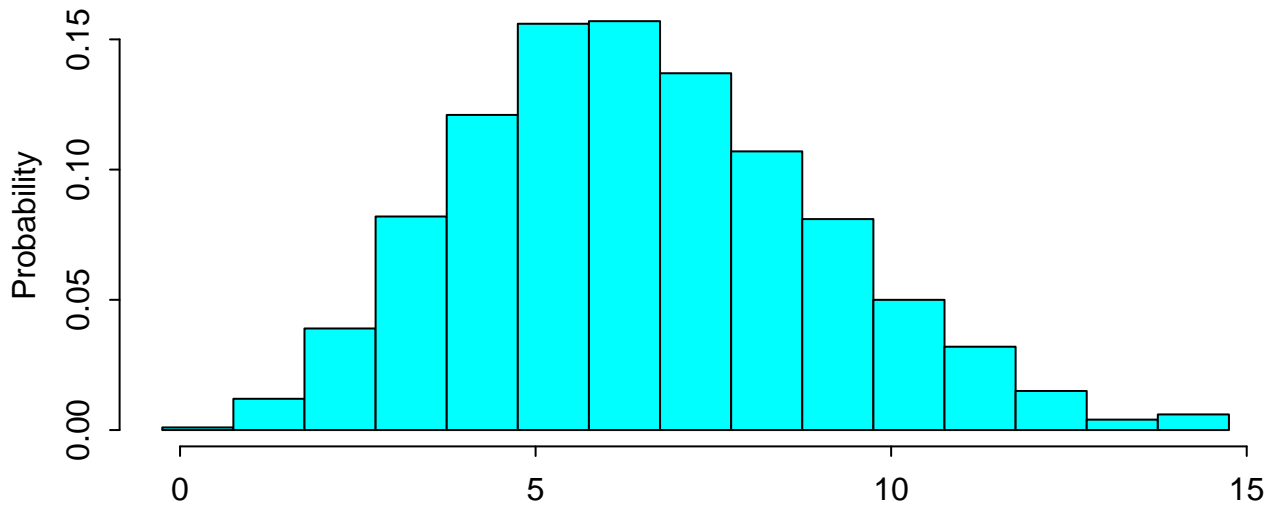


**Expected Values:  $E(Y|X)$**

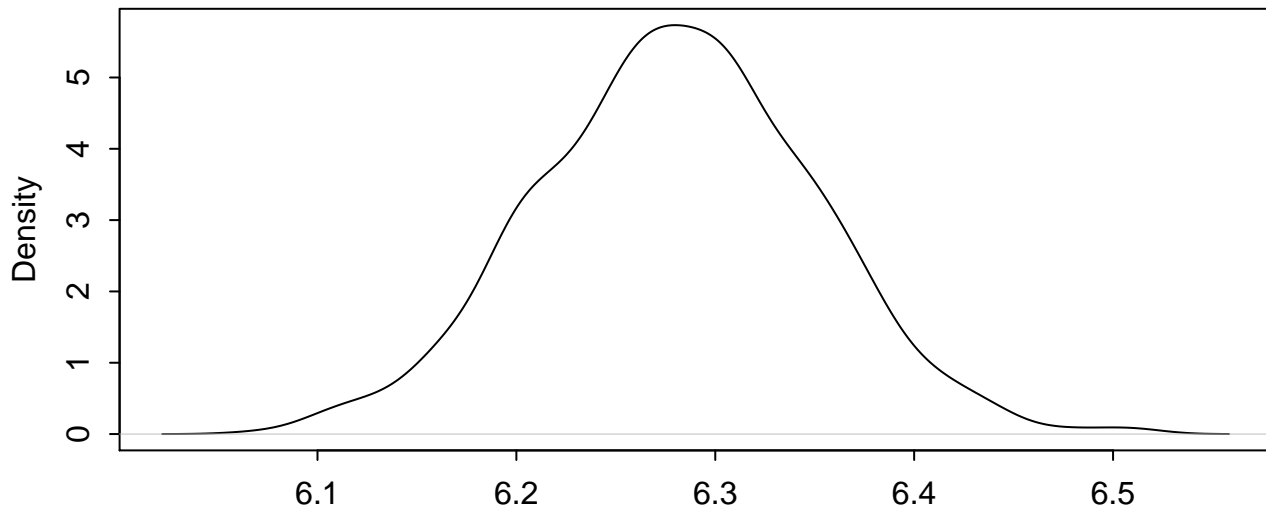




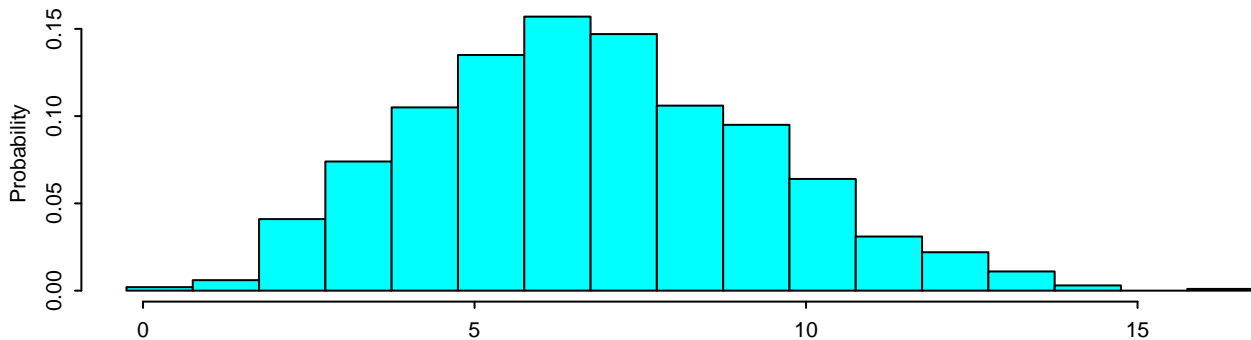
**Predicted Values:  $Y|X$**



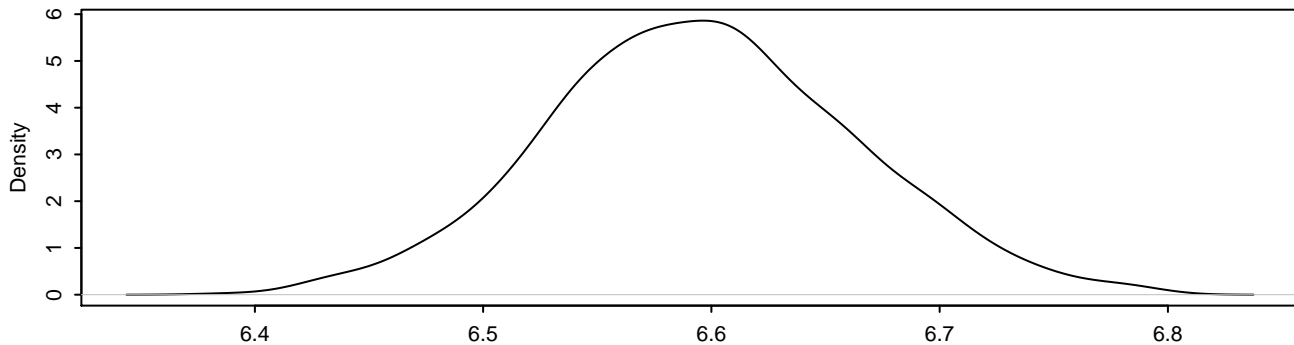
**Expected Values:  $E(Y|X)$**



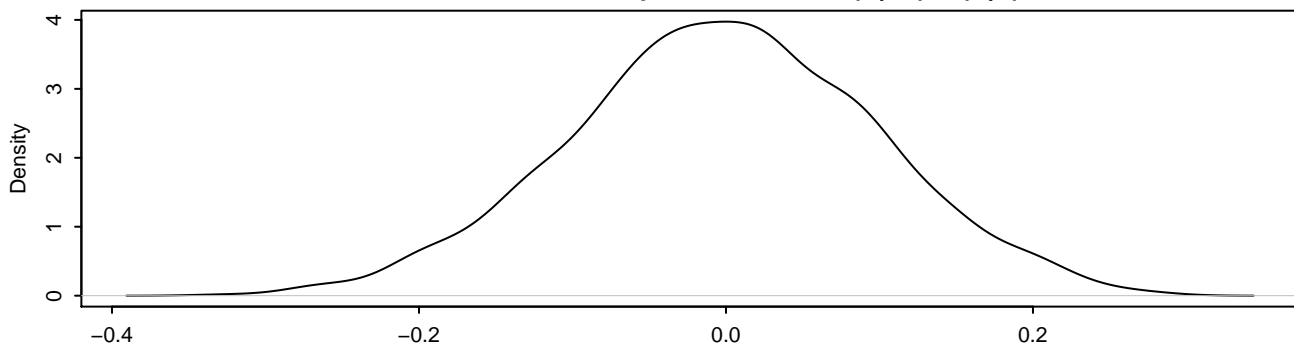
**Predicted Values:  $Y|X$**



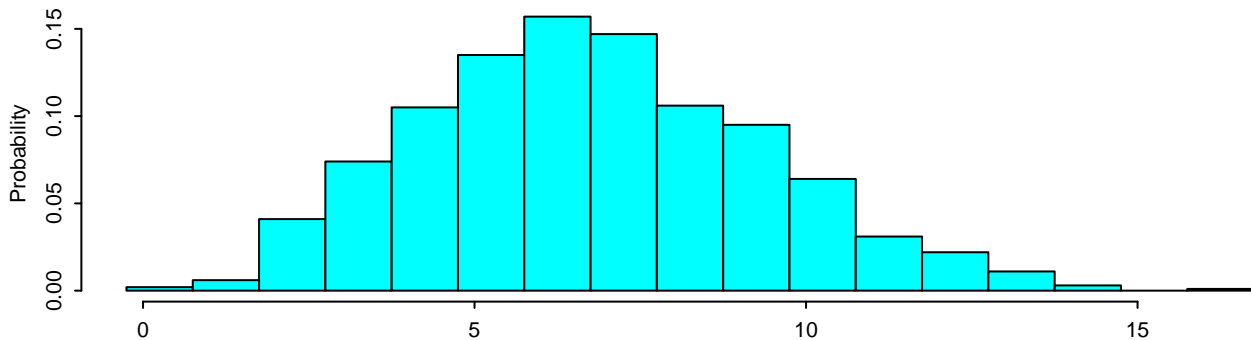
**Expected Values:  $E(Y|X)$**



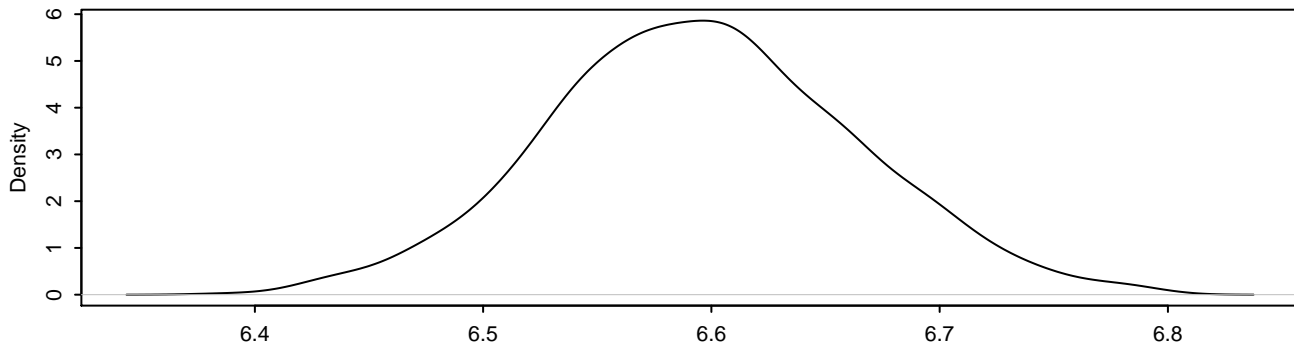
**First Differences in Expected Values:  $E(Y|X_1) - E(Y|X)$**



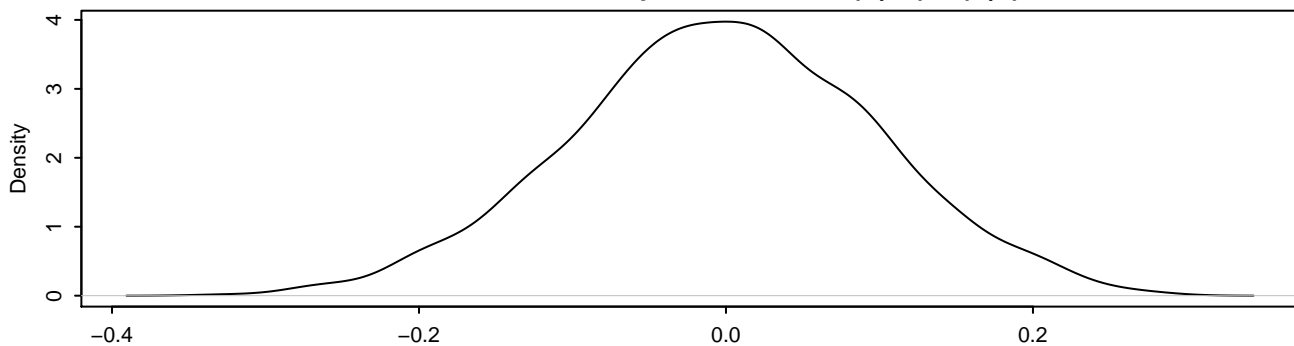
**Predicted Values:  $Y|X$**

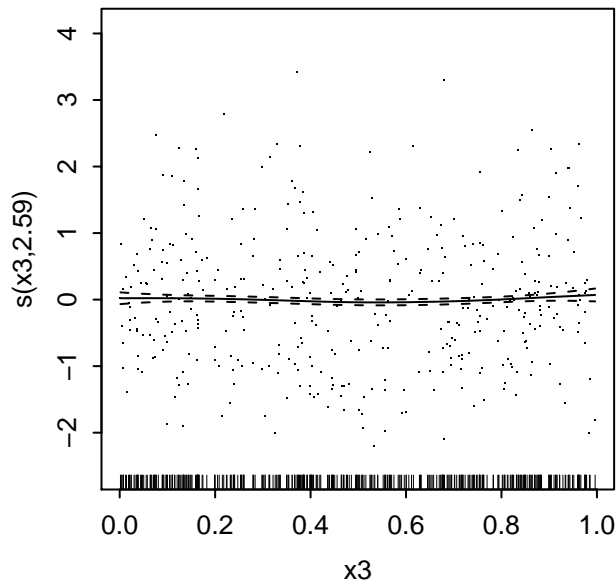
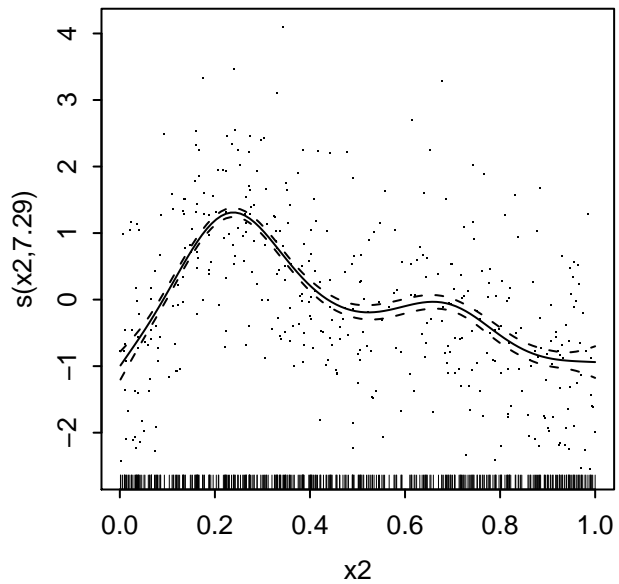
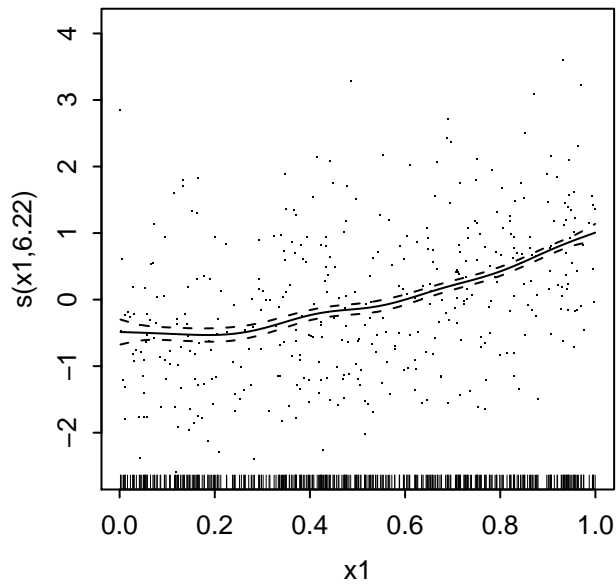
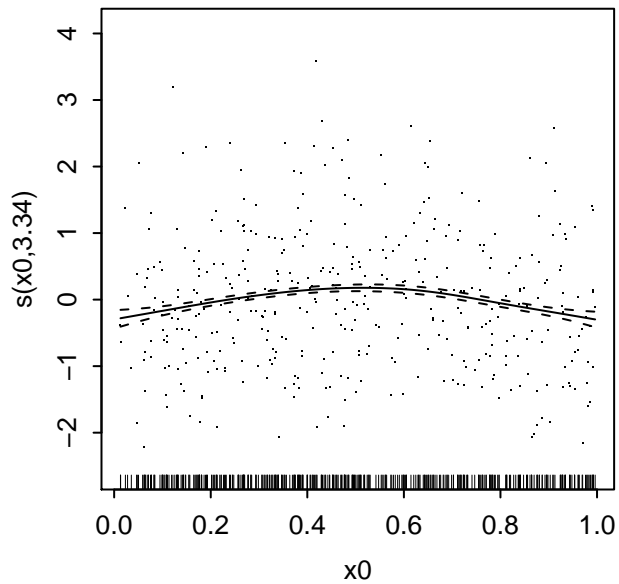


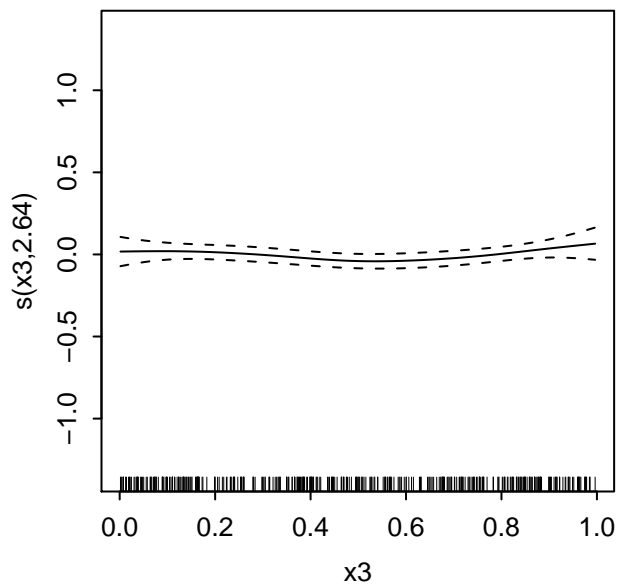
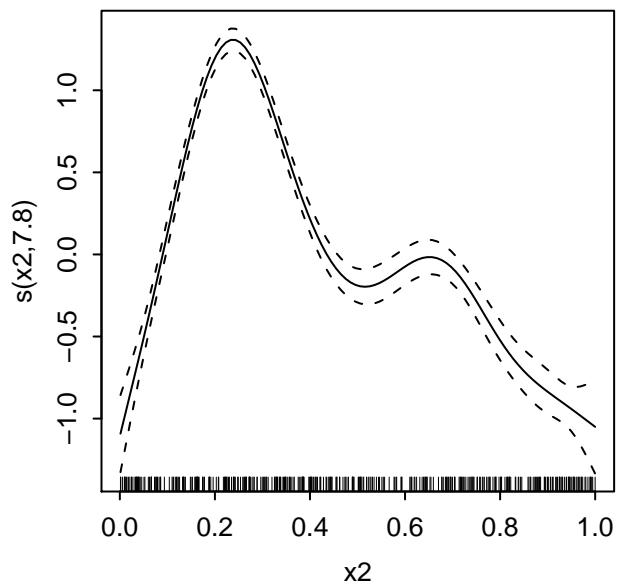
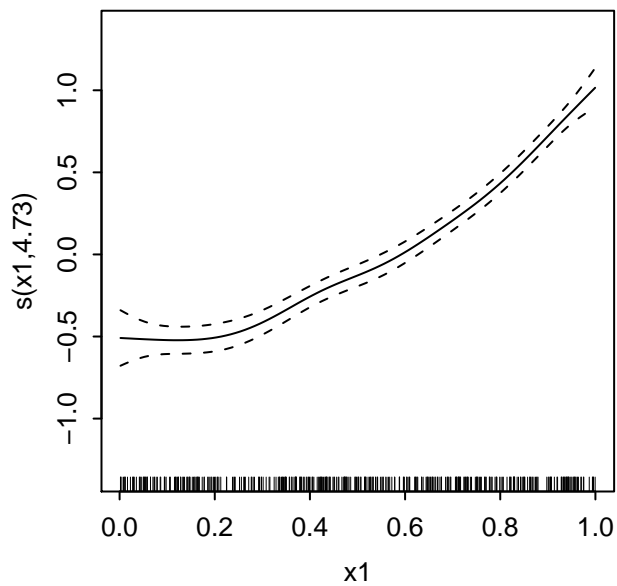
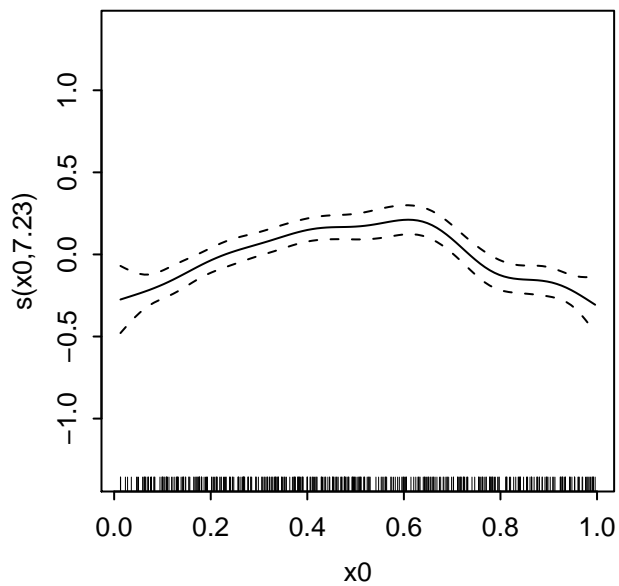
**Expected Values:  $E(Y|X)$**

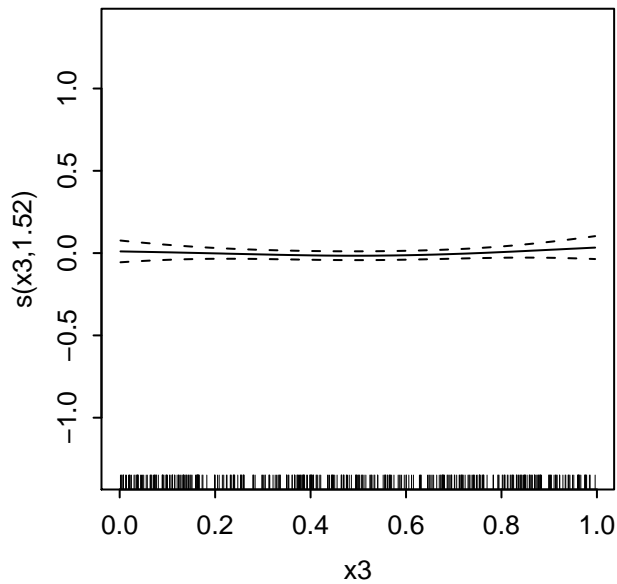
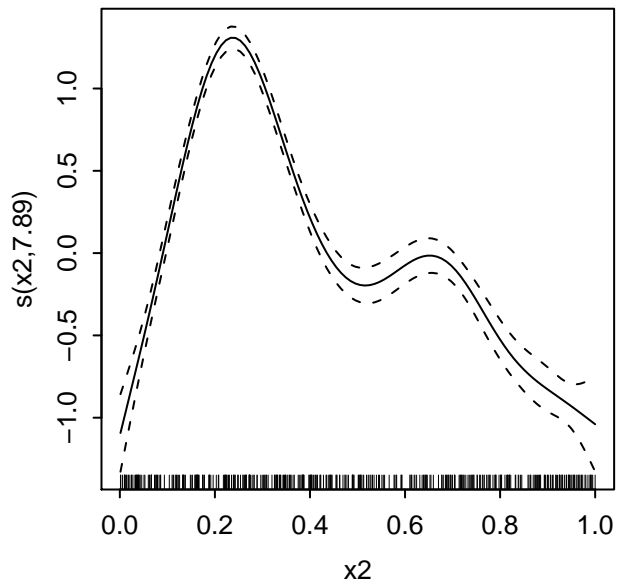
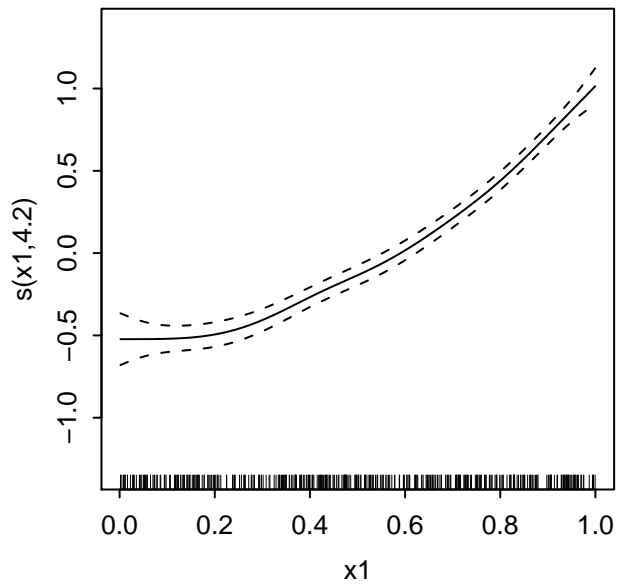
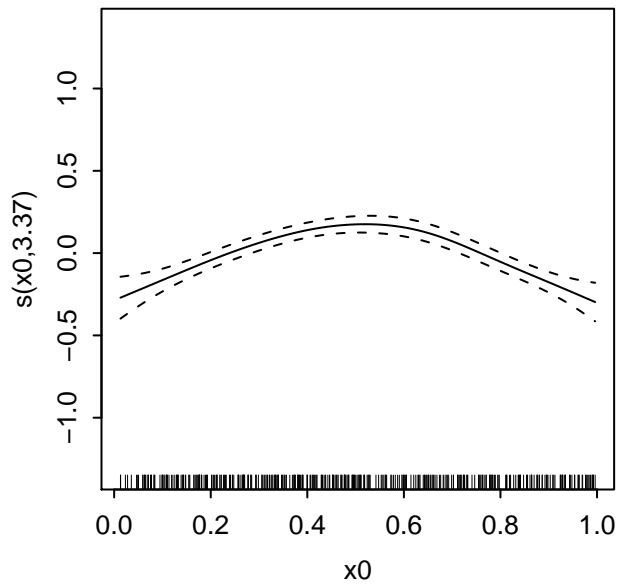


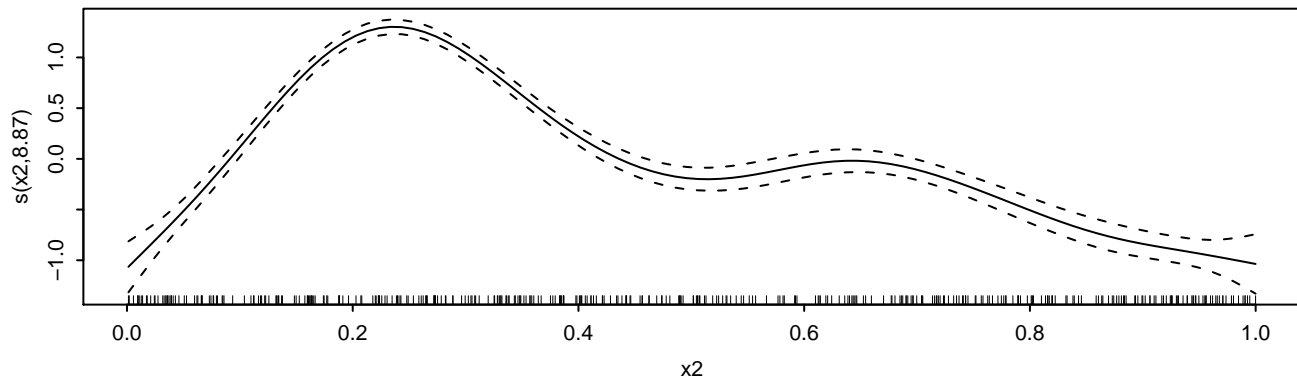
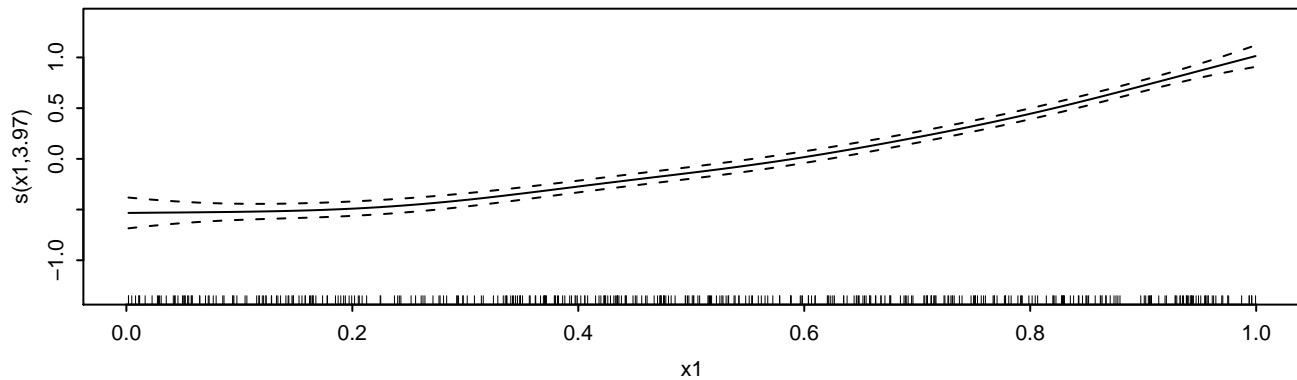
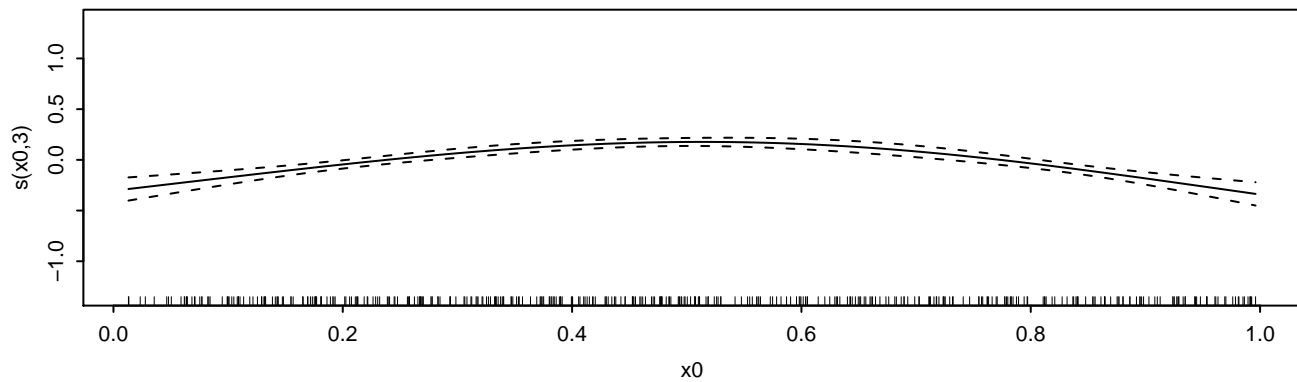
**First Differences in Expected Values:  $E(Y|X_1) - E(Y|X)$**



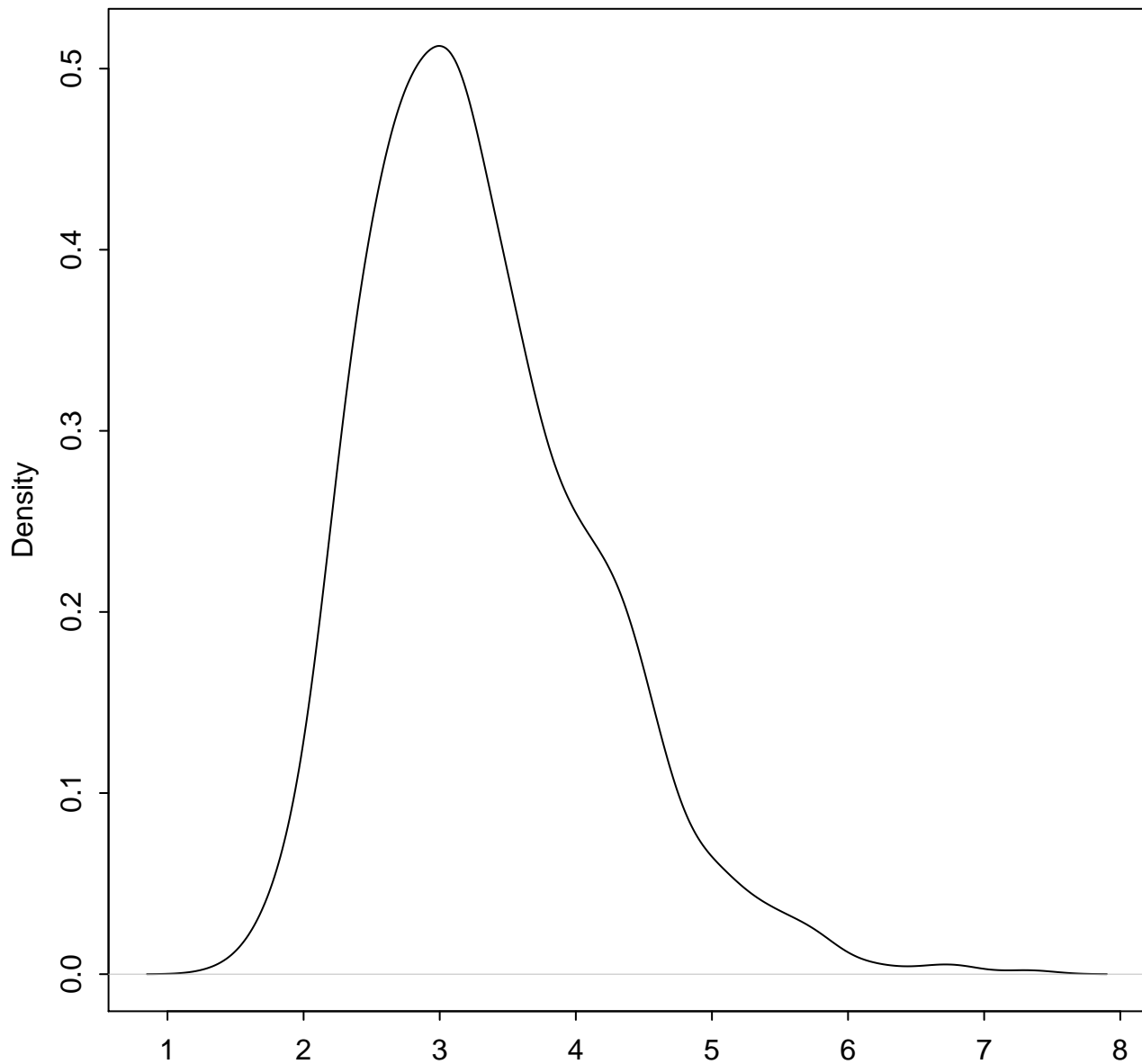






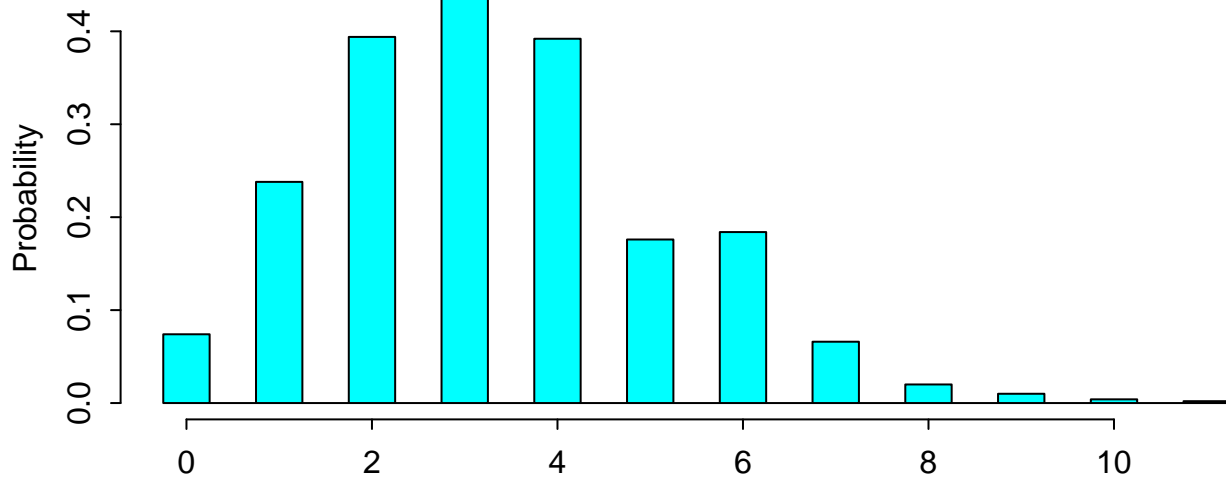


# Expected Values: $E(Y|X)$

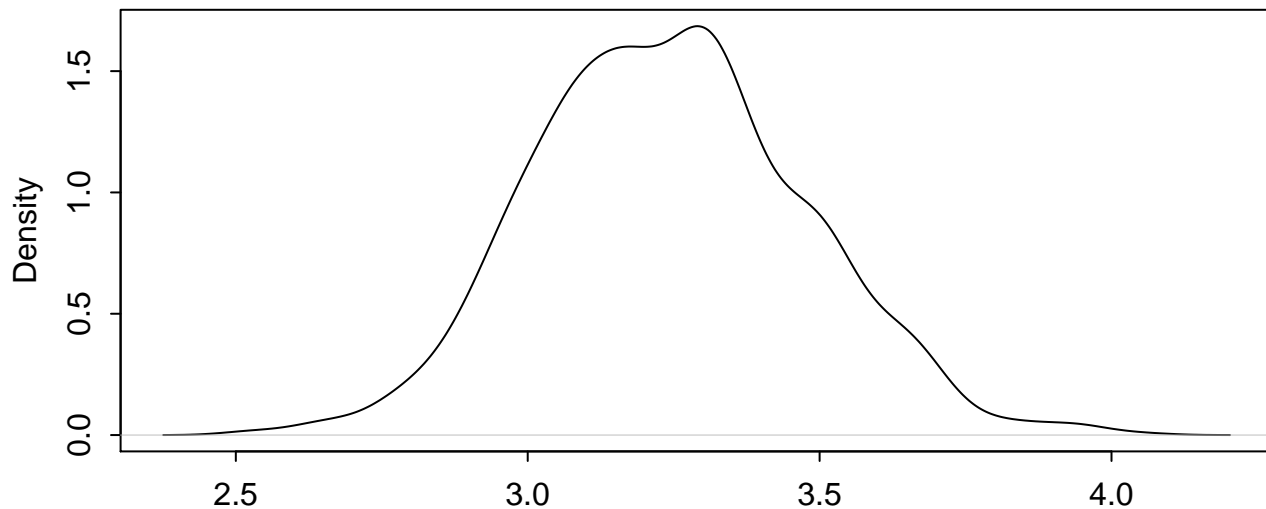


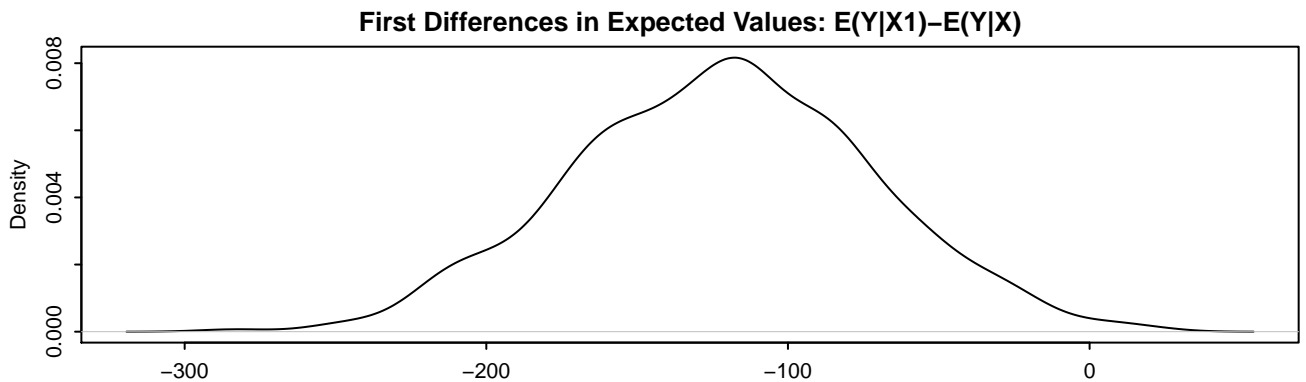
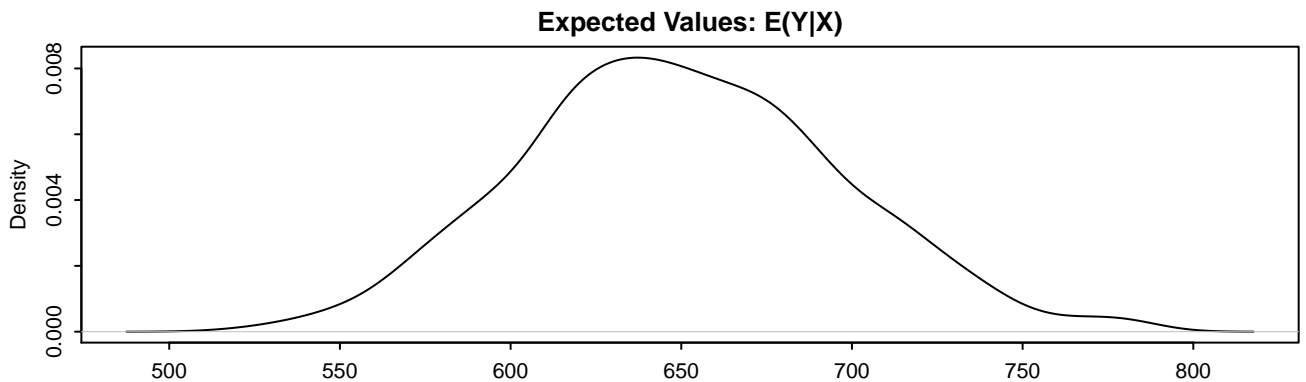
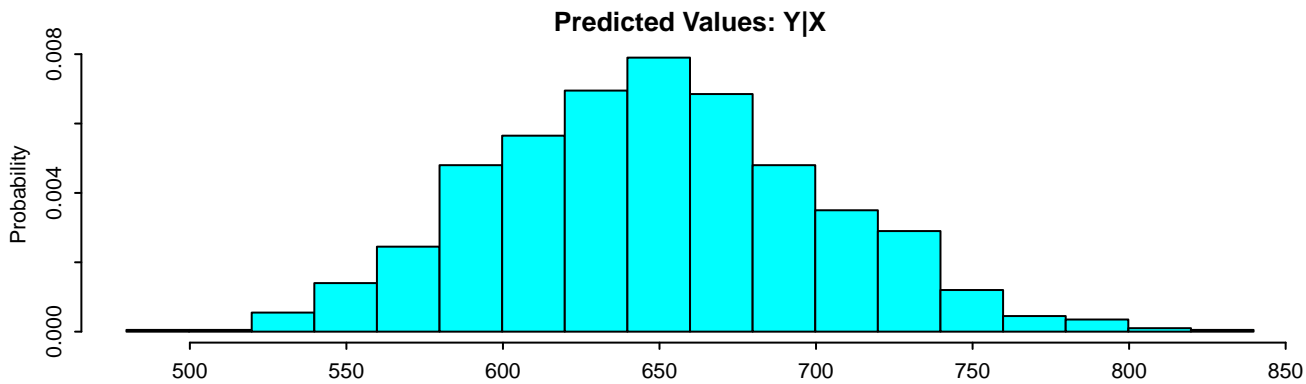


**Predicted Values:  $Y|X$**

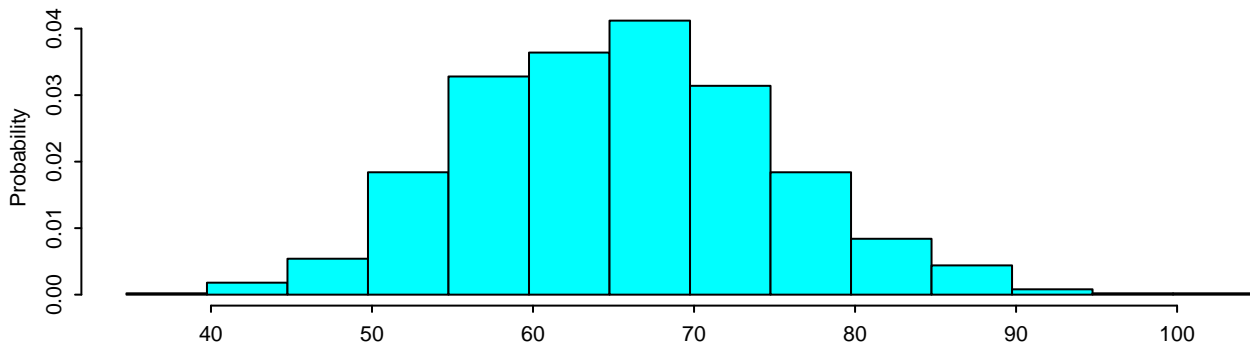


**Expected Values:  $E(Y|X)$**

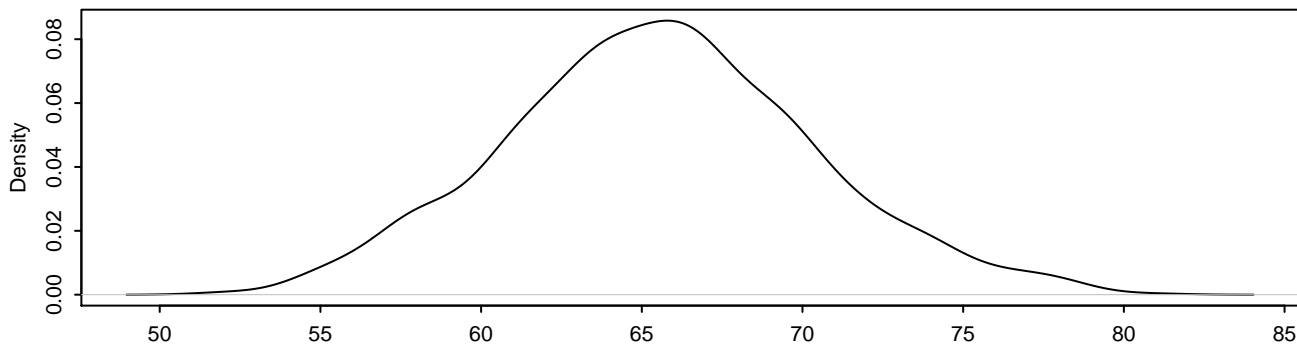




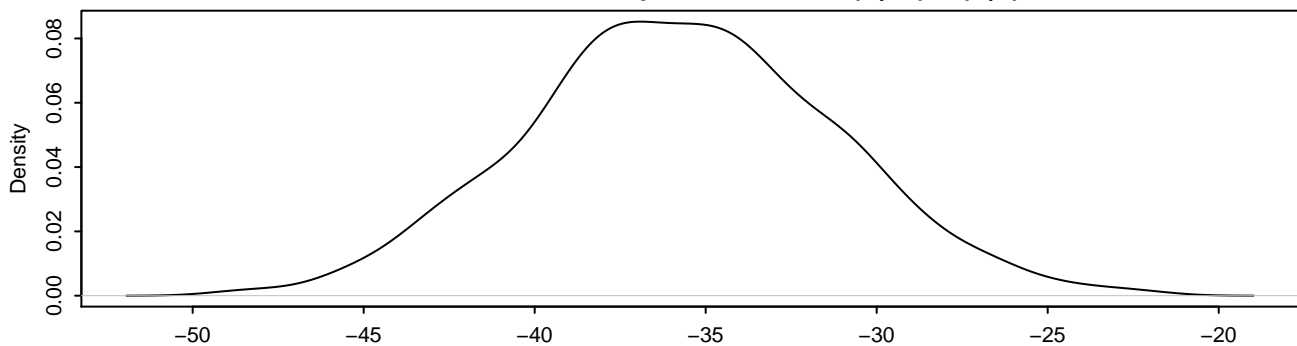
**Predicted Values:  $Y|X$**

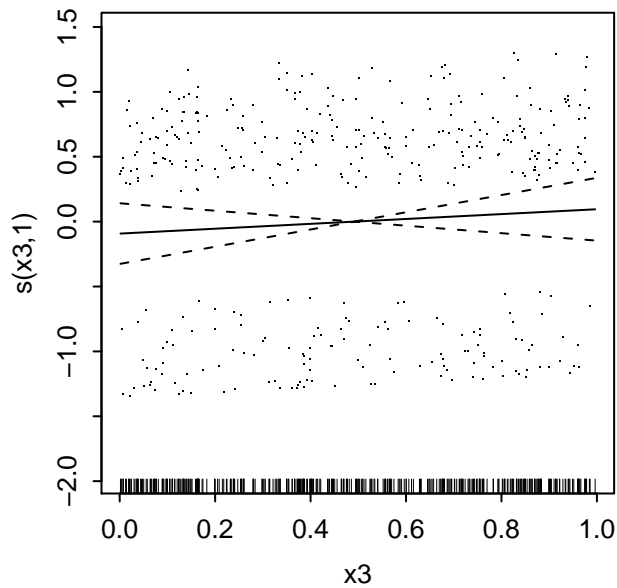
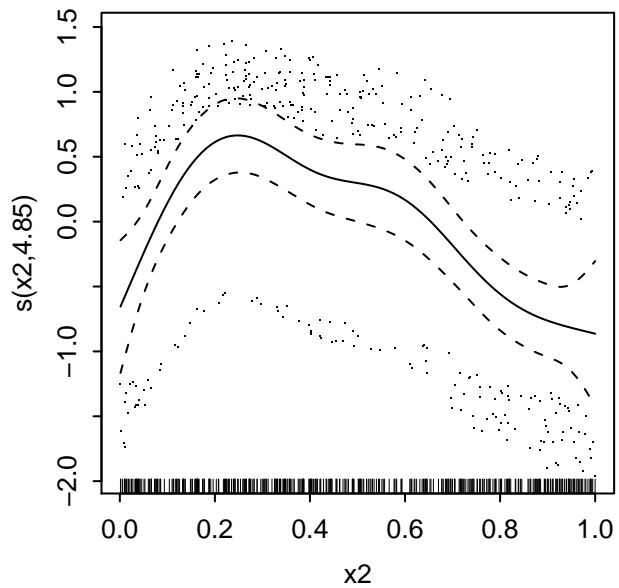
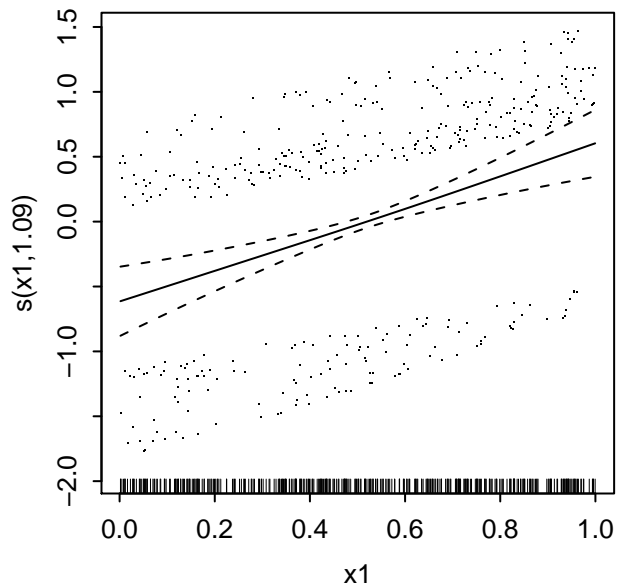
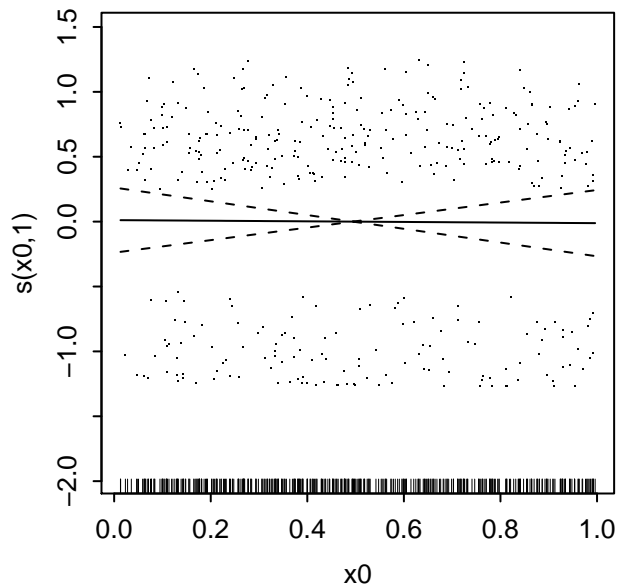


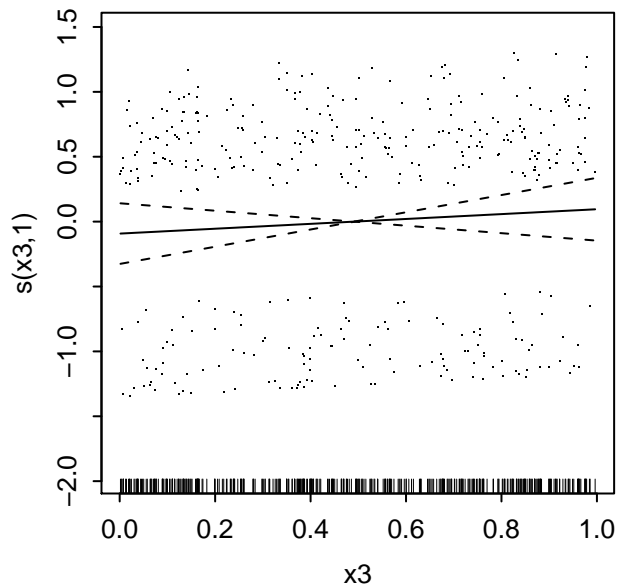
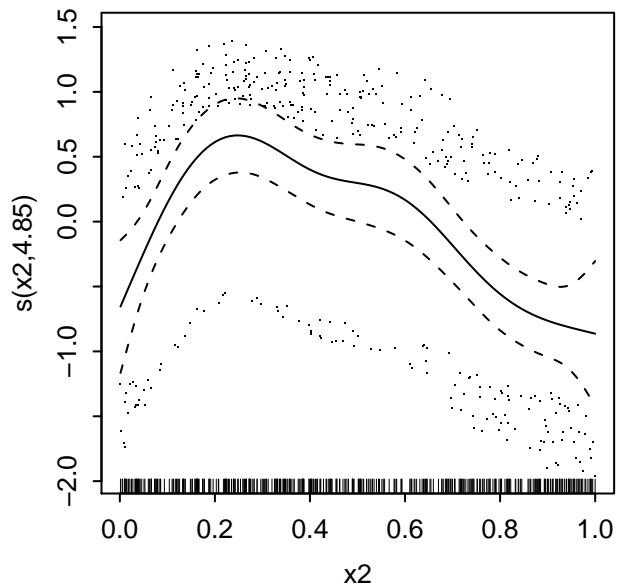
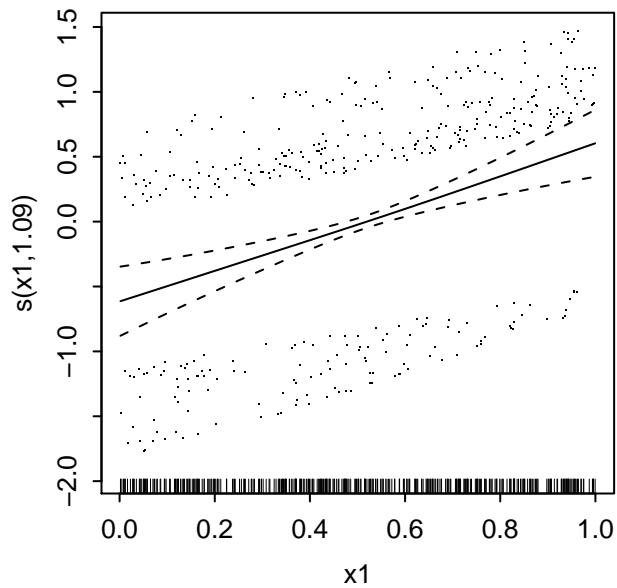
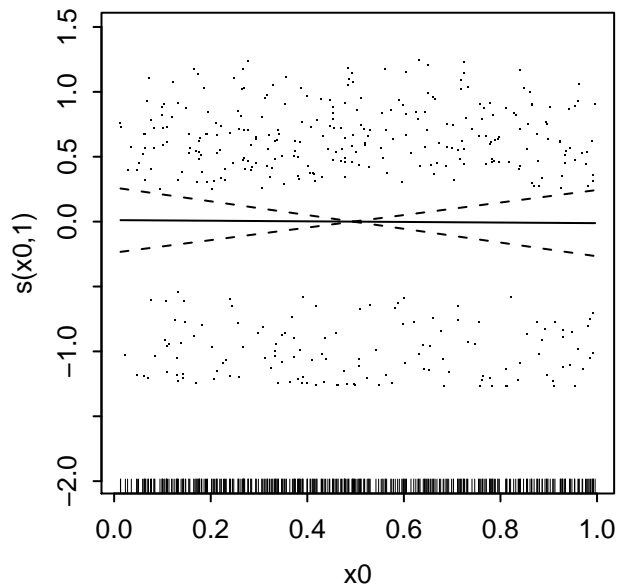
**Expected Values:  $E(Y|X)$**



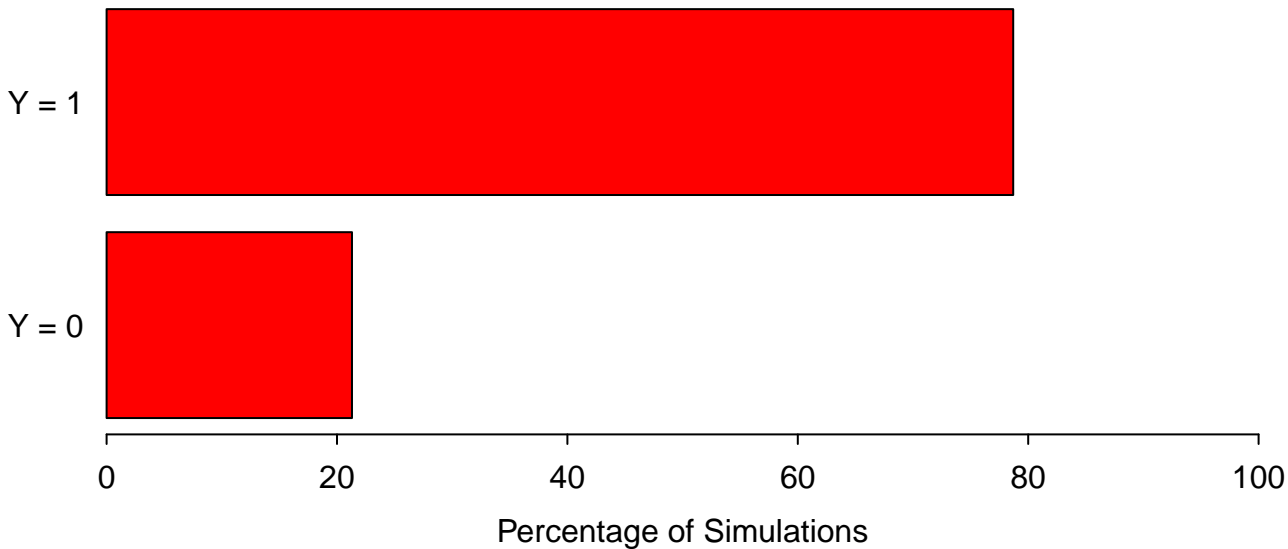
**First Differences in Expected Values:  $E(Y|X_1) - E(Y|X)$**



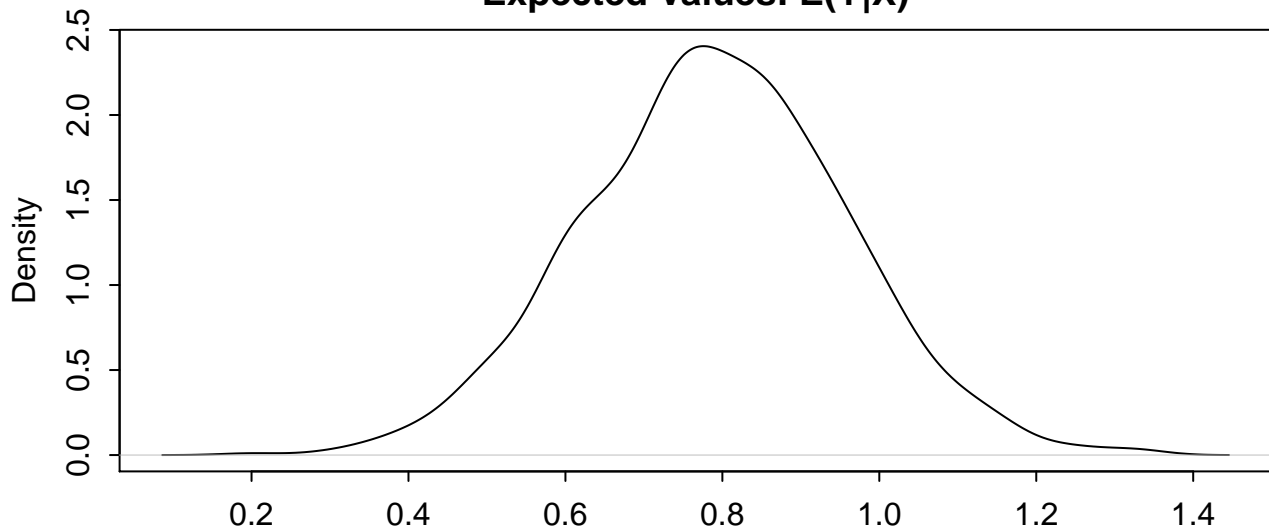




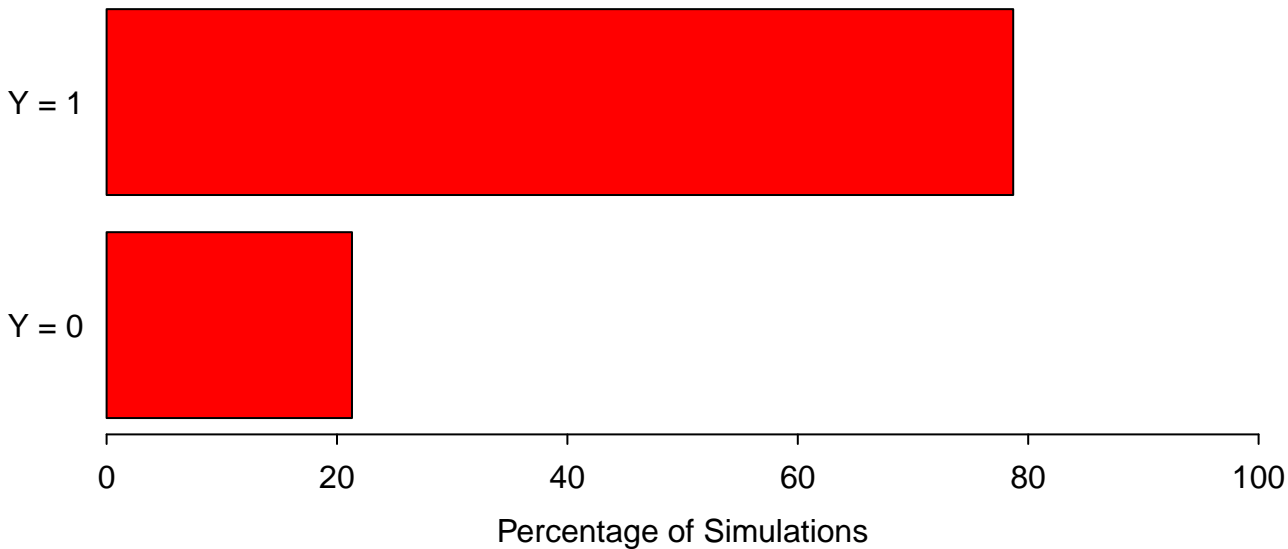
### Predicted Values: $Y|X$



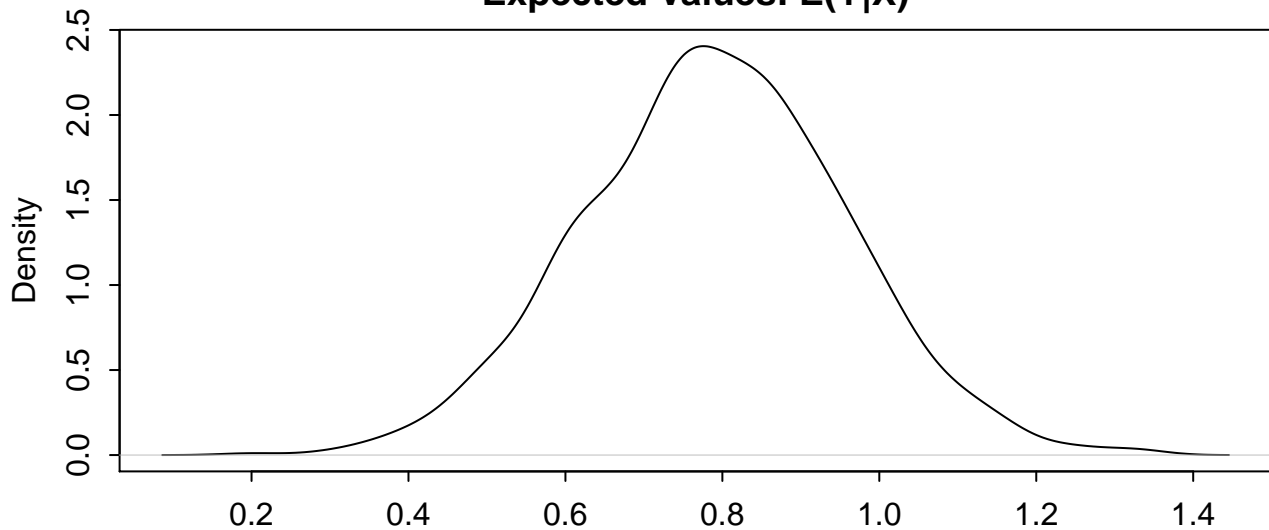
### Expected Values: $E(Y|X)$



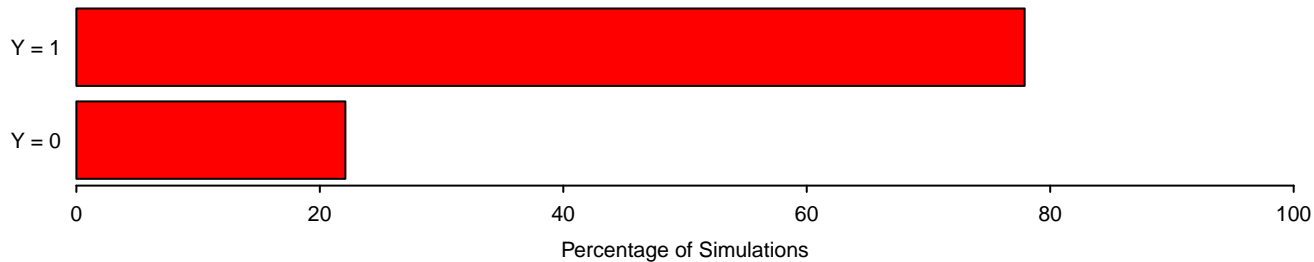
### Predicted Values: $Y|X$



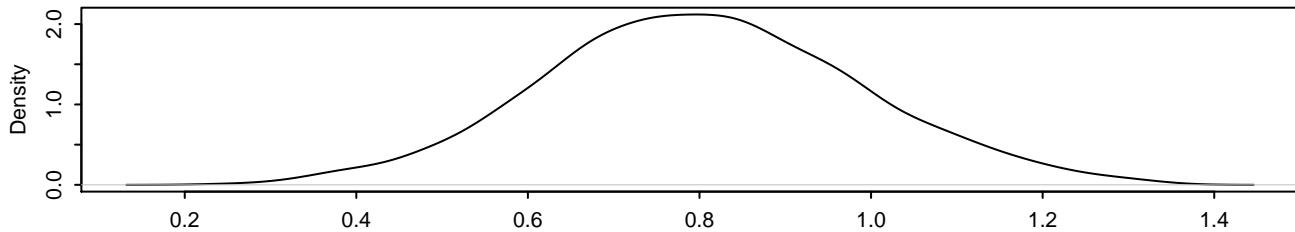
### Expected Values: $E(Y|X)$



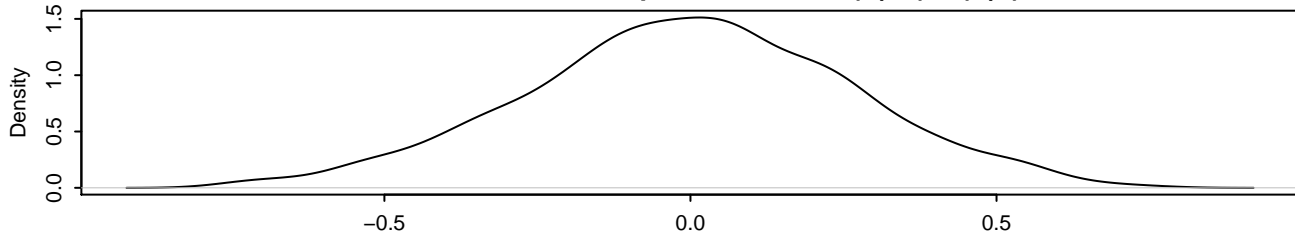
**Predicted Values:  $Y|X$**



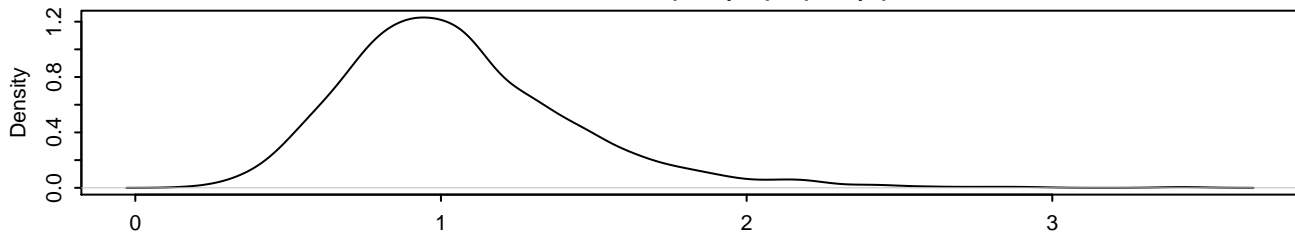
**Expected Values:  $E(Y|X)$**



**First Differences in Expected Values:  $E(Y|X_1) - E(Y|X)$**

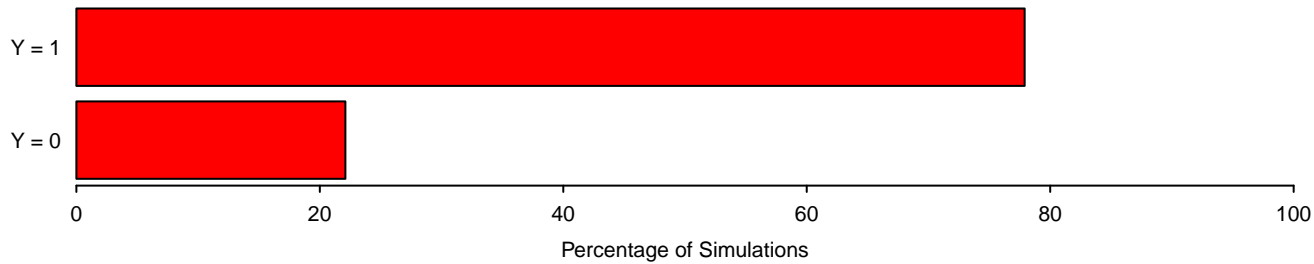


**Risk Ratios:  $P(Y=1|X_1)/P(Y=1|X)$**

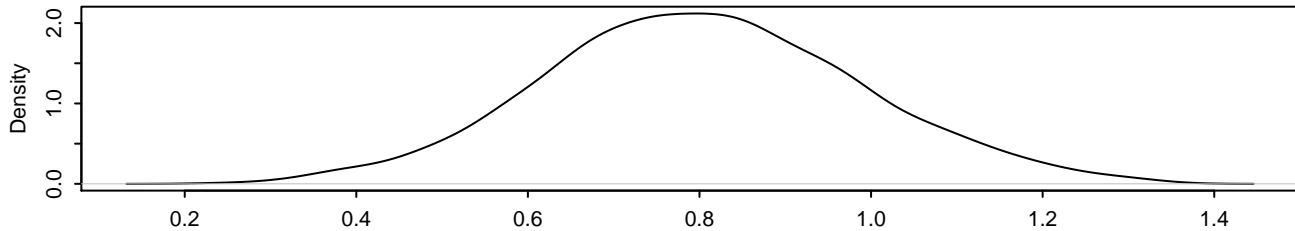




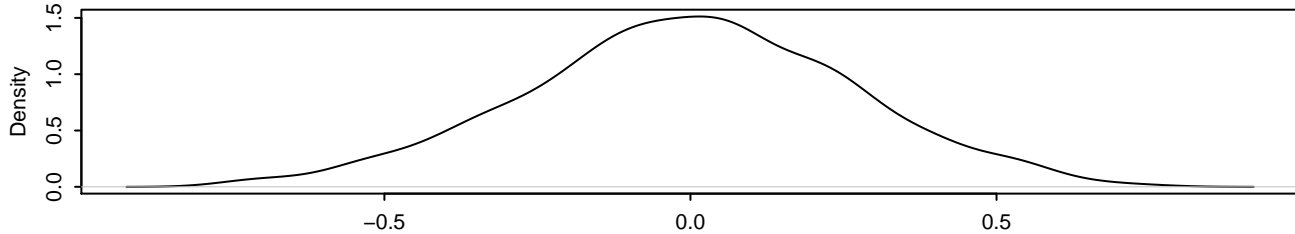
**Predicted Values:  $Y|X$**



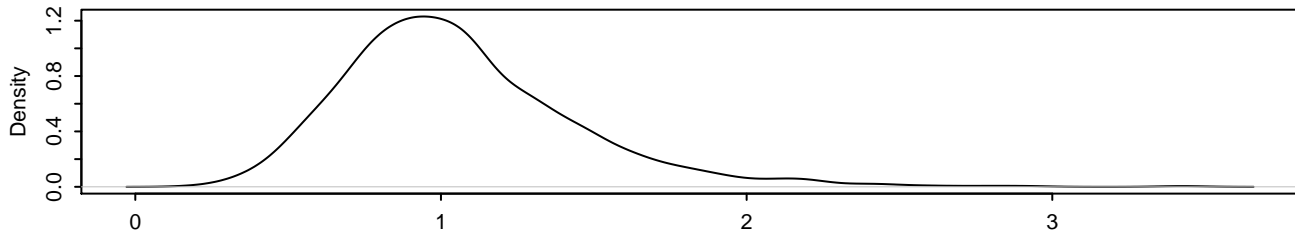
**Expected Values:  $E(Y|X)$**

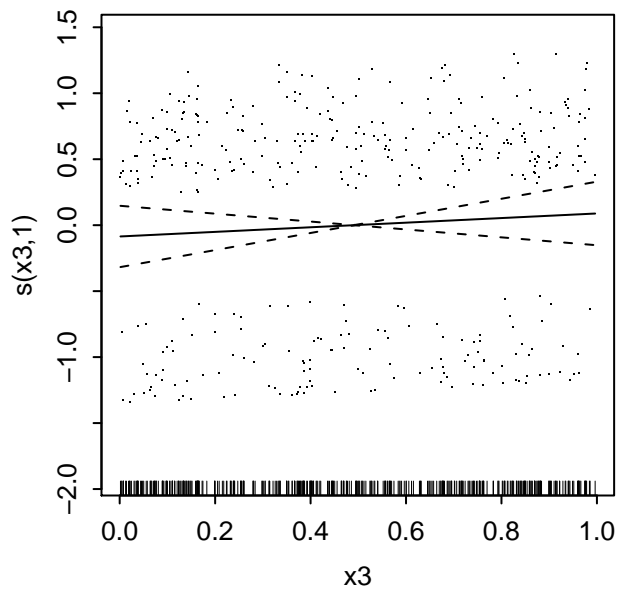
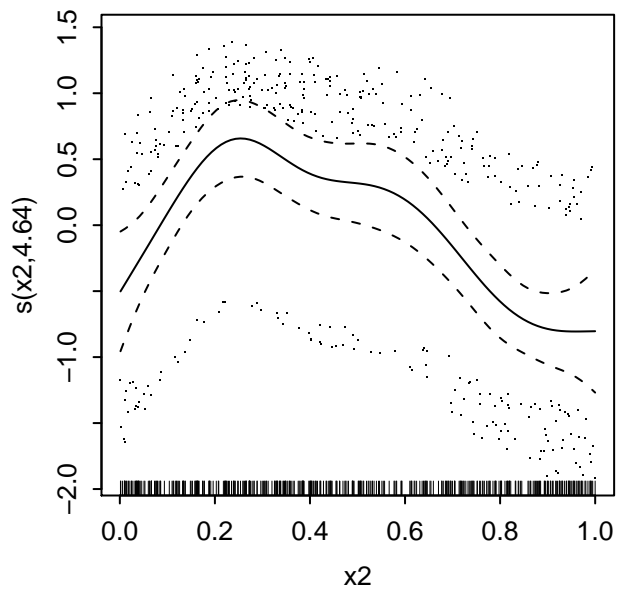
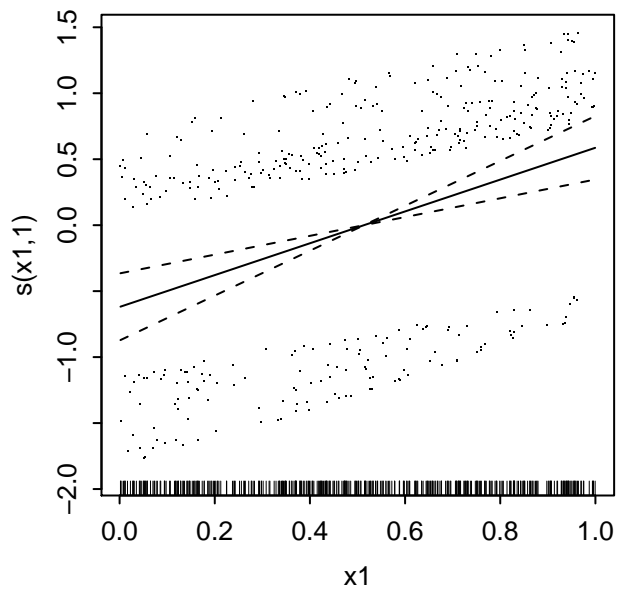
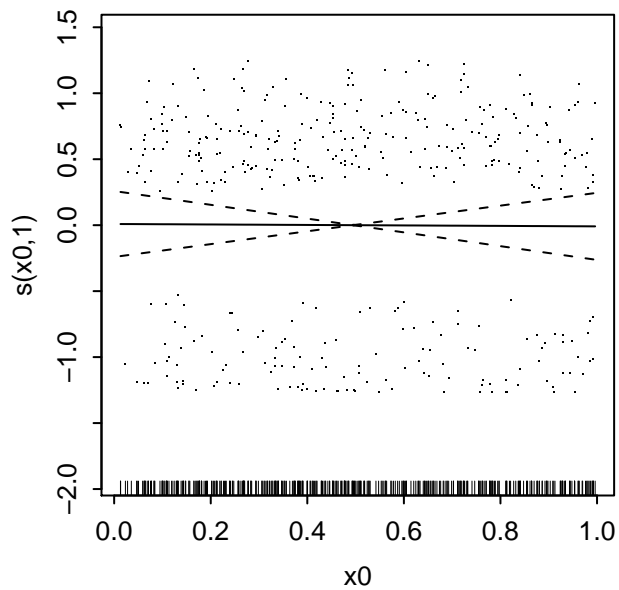


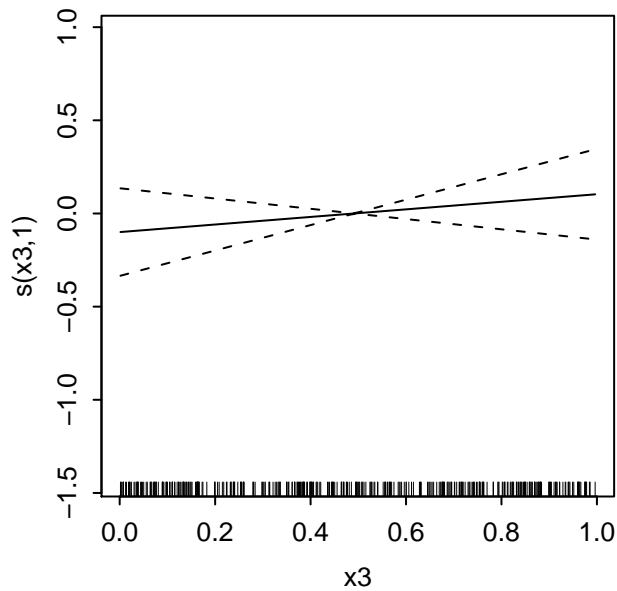
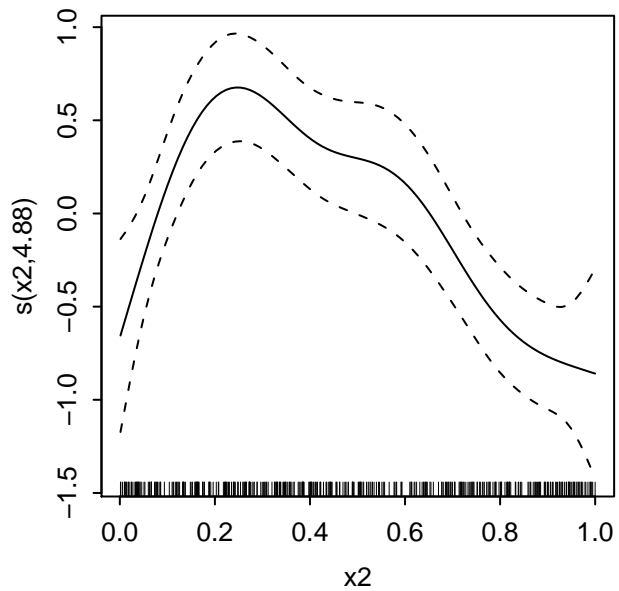
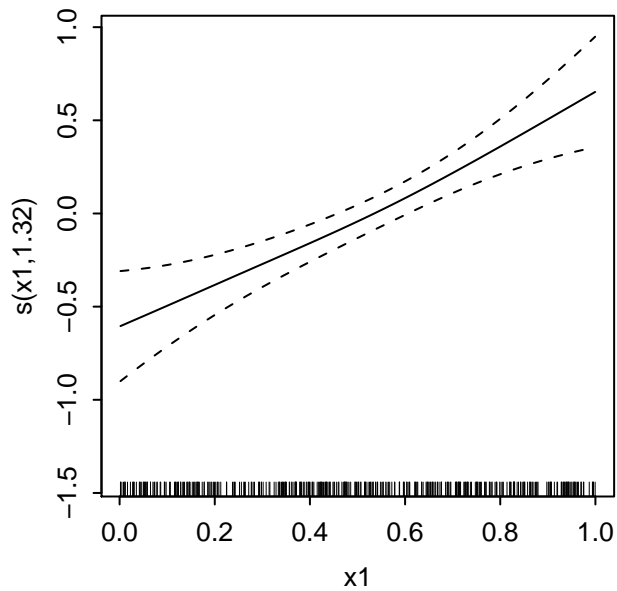
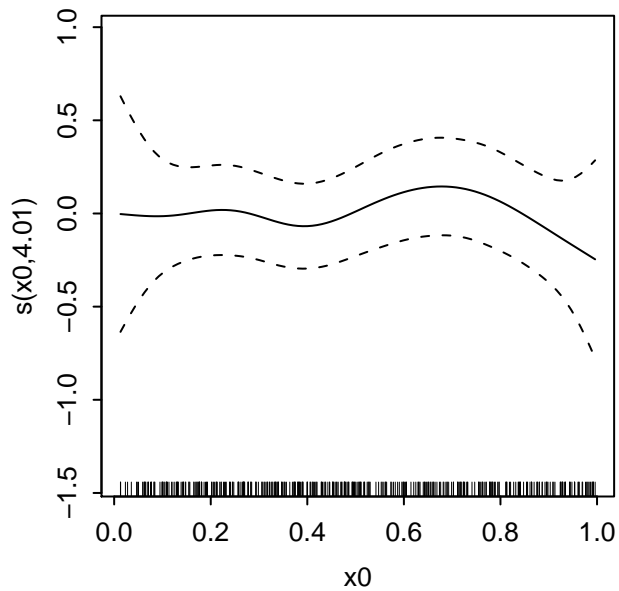
**First Differences in Expected Values:  $E(Y|X_1) - E(Y|X)$**

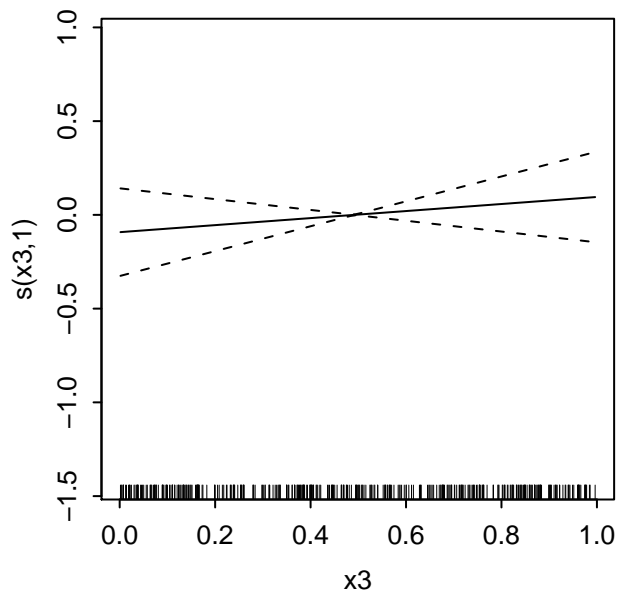
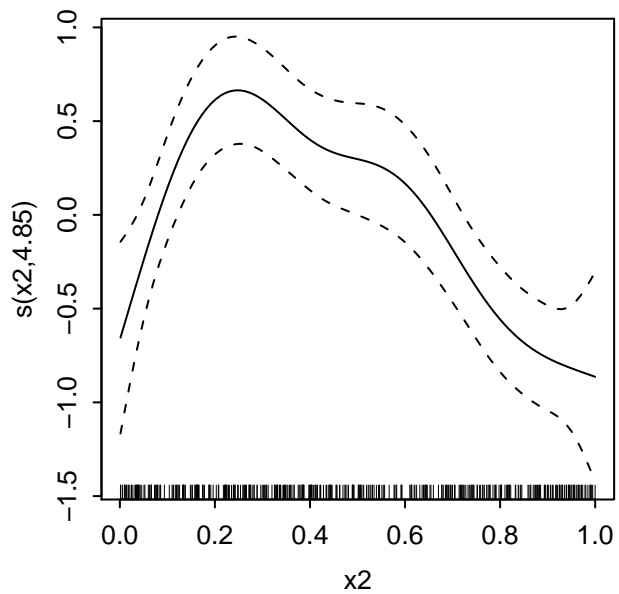
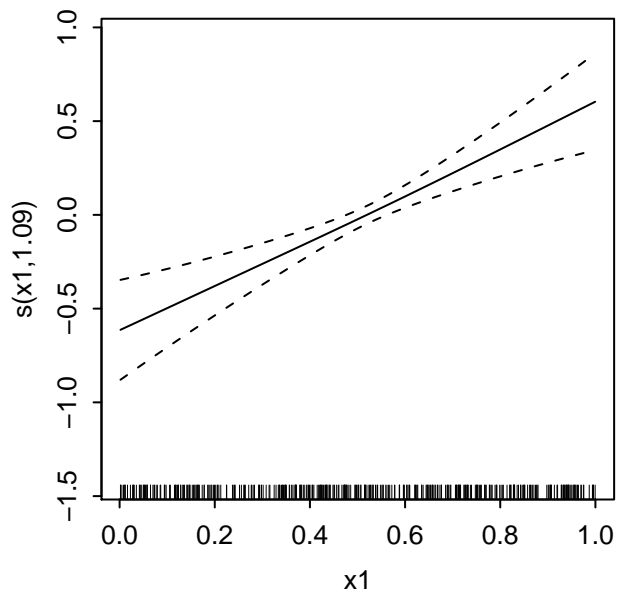
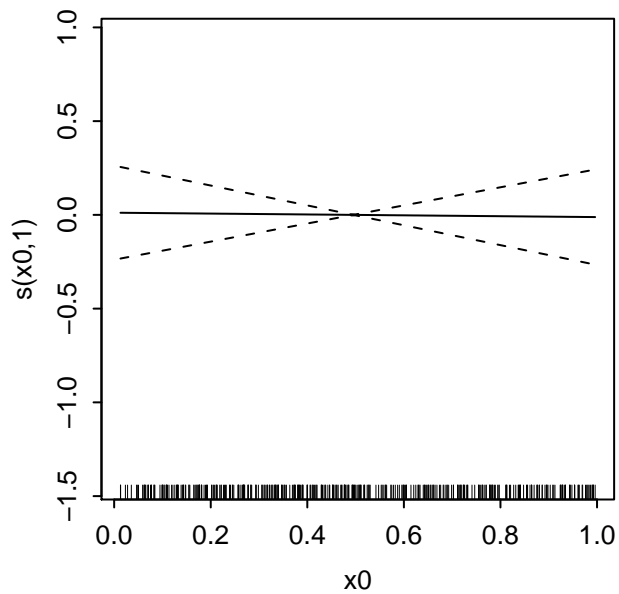


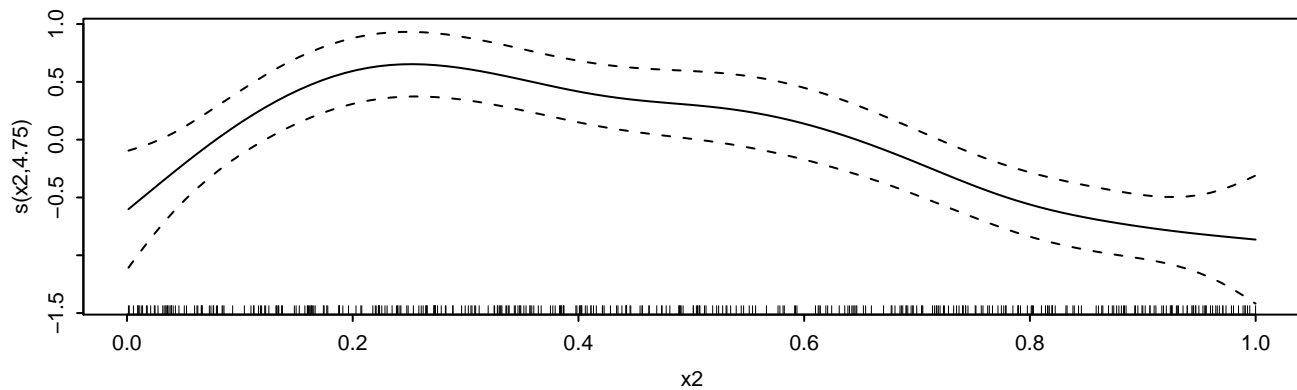
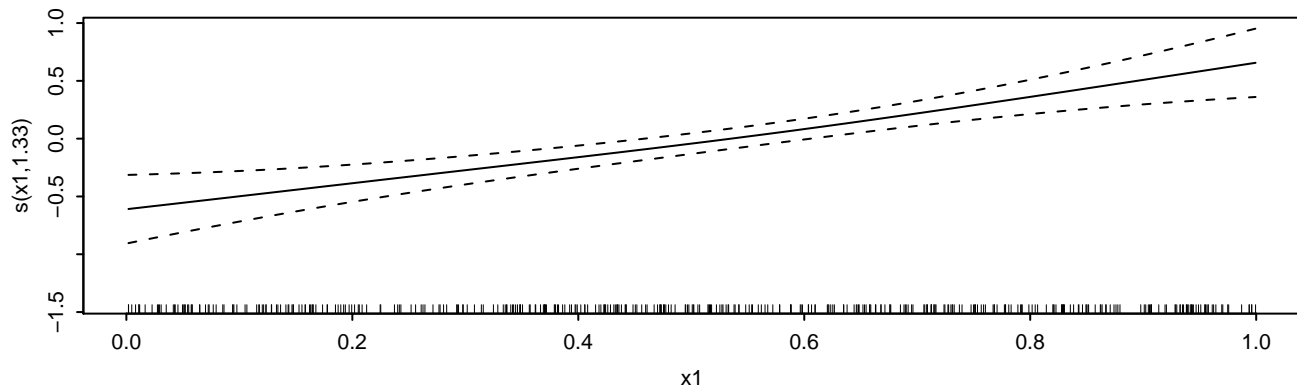
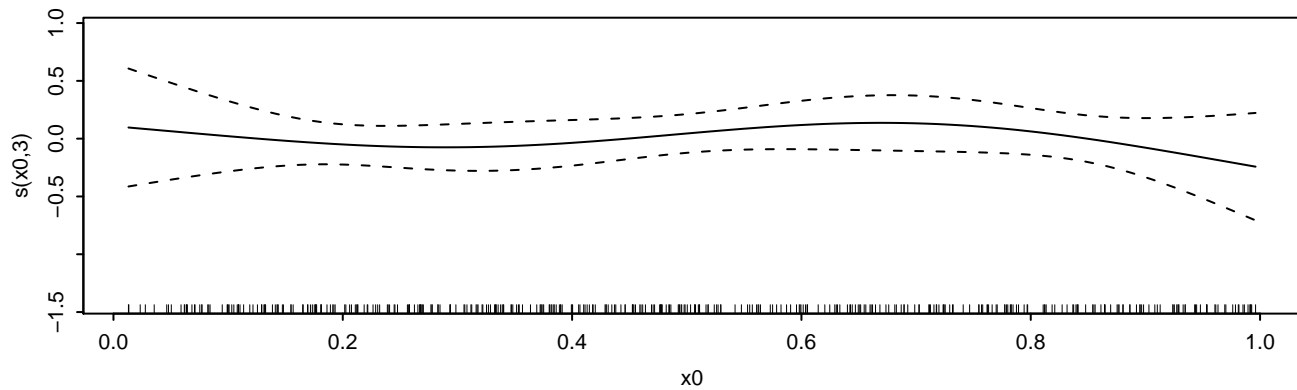
**Risk Ratios:  $P(Y=1|X_1)/P(Y=1|X)$**



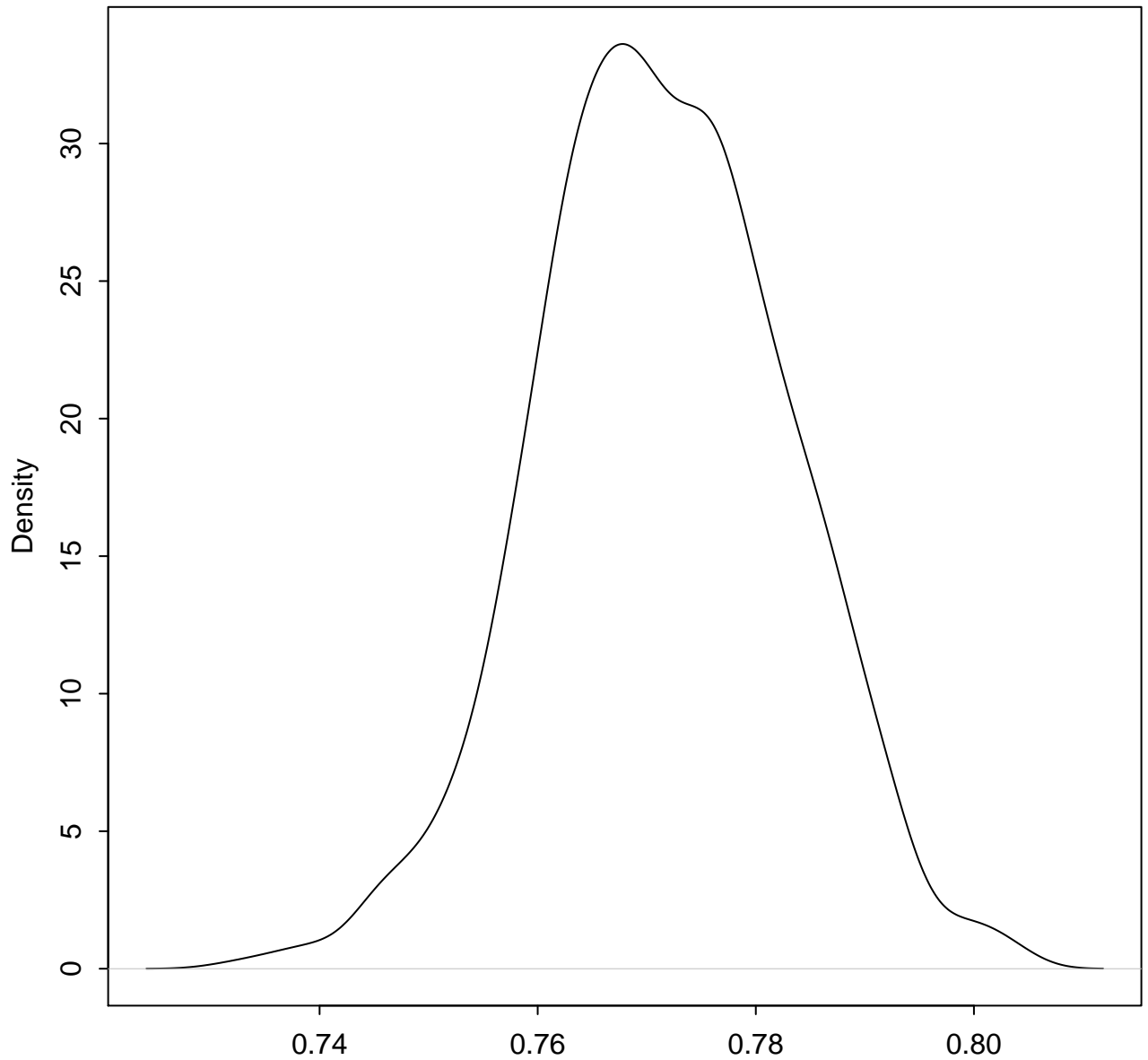




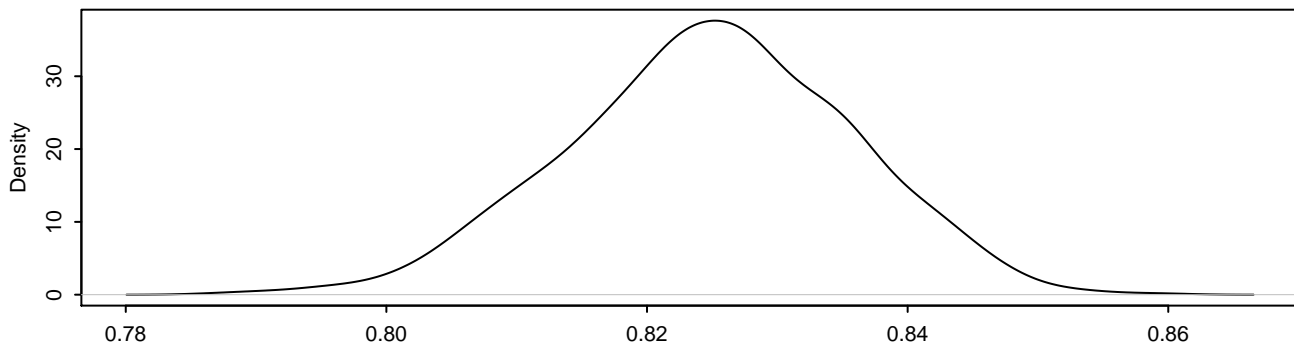




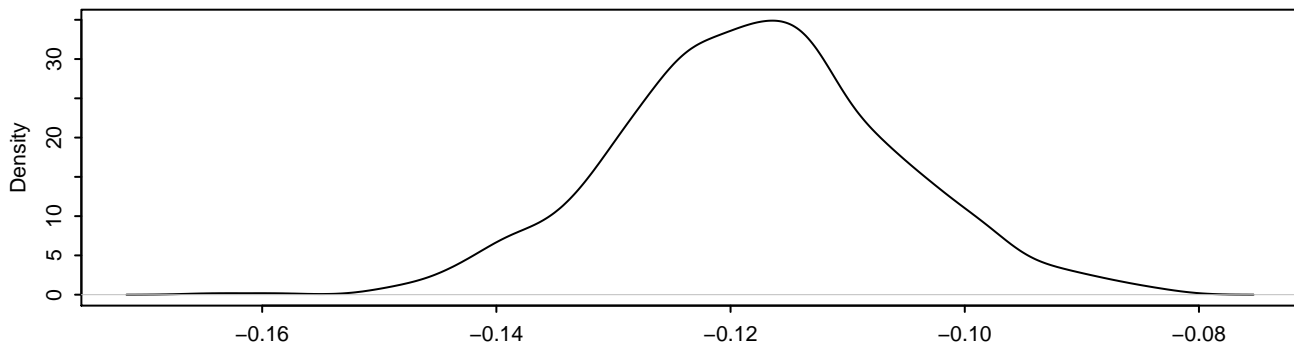
**Expected Values:  $E(Y|X)$**



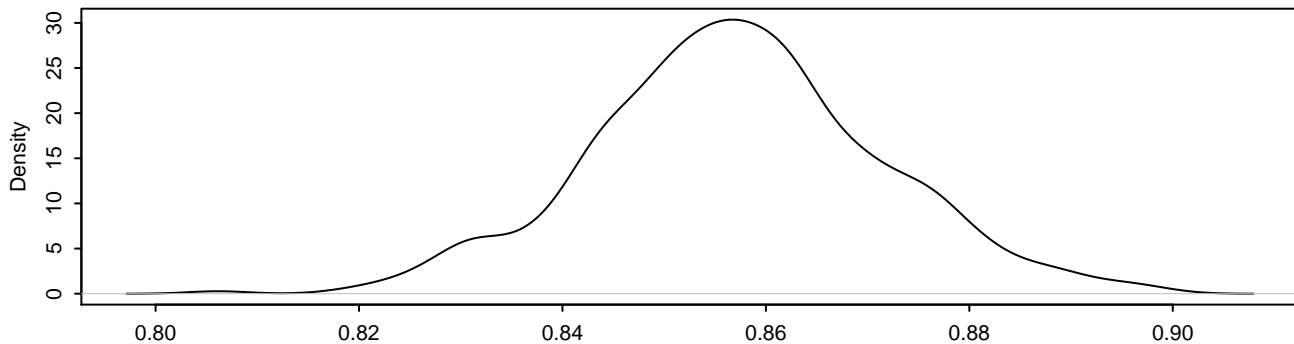
**Expected Values:  $E(Y|X)$**



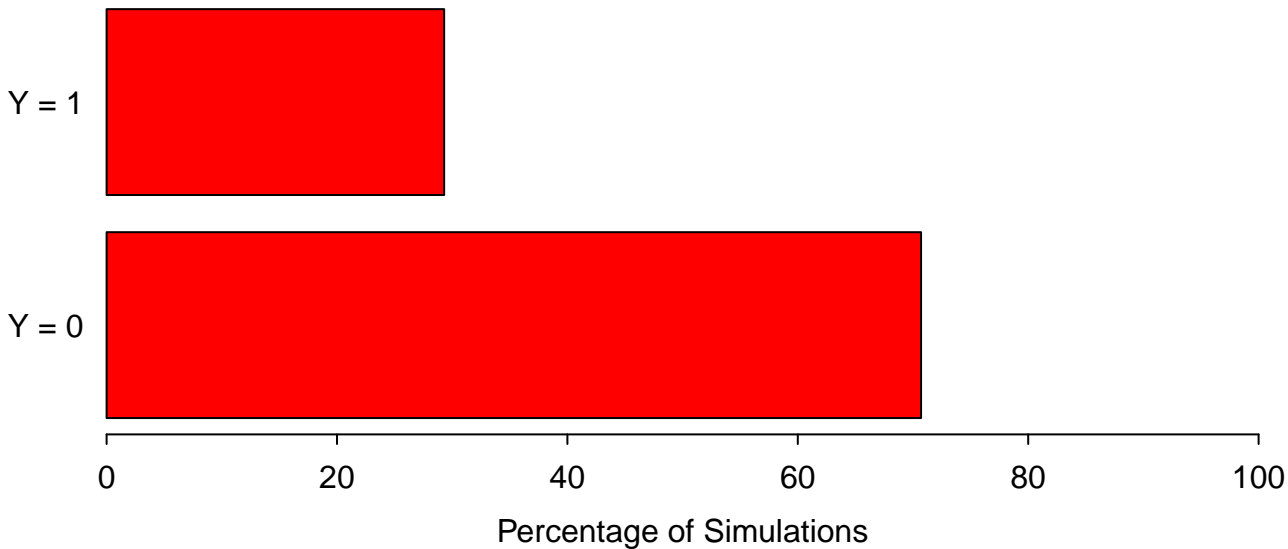
**First Differences in Expected Values:  $E(Y|X_1) - E(Y|X)$**



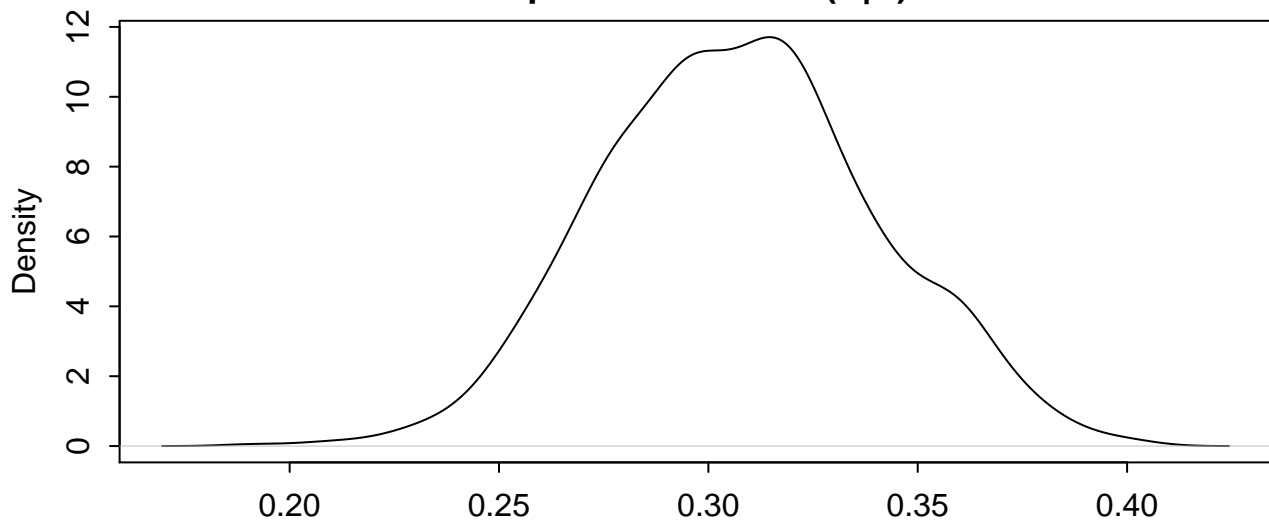
**Risk Ratios:  $P(Y=1|X_1)/P(Y=1|X)$**



### Predicted Values: $Y|X$

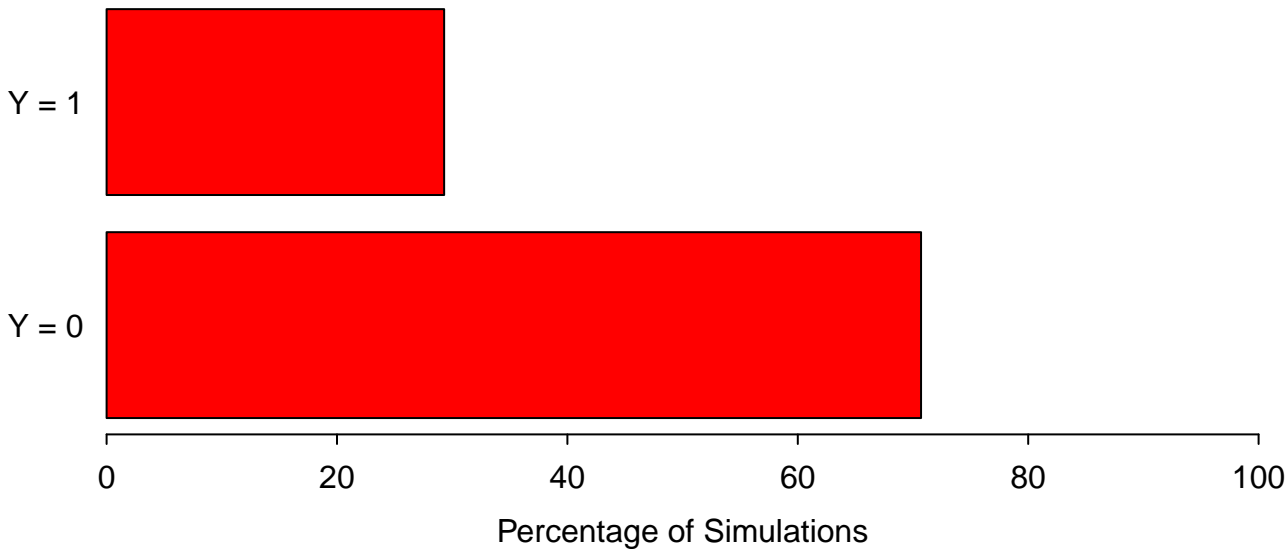


### Expected Values: $E(Y|X)$

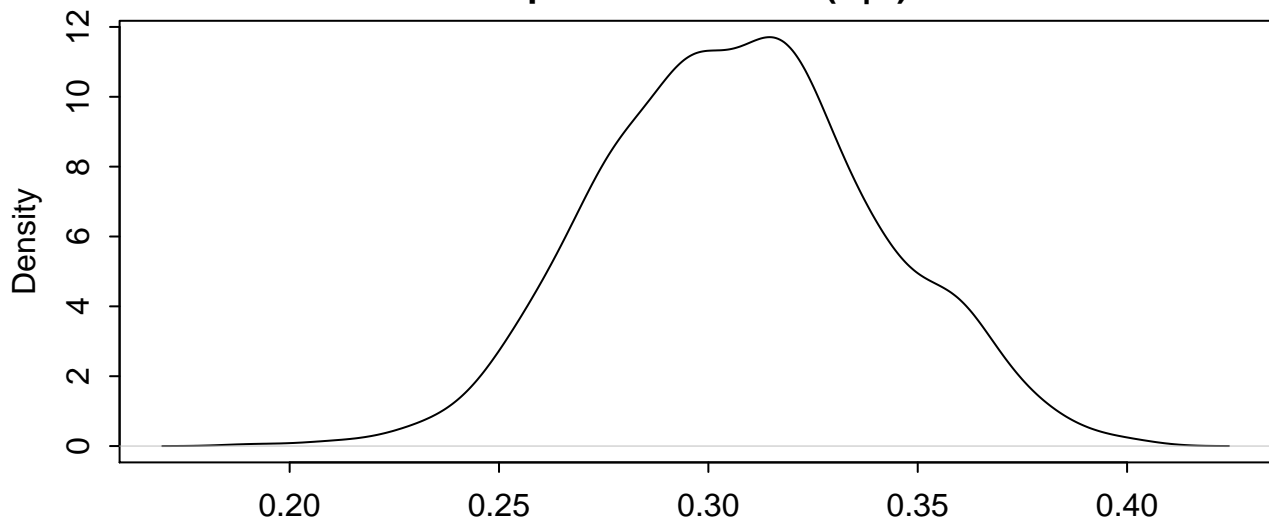




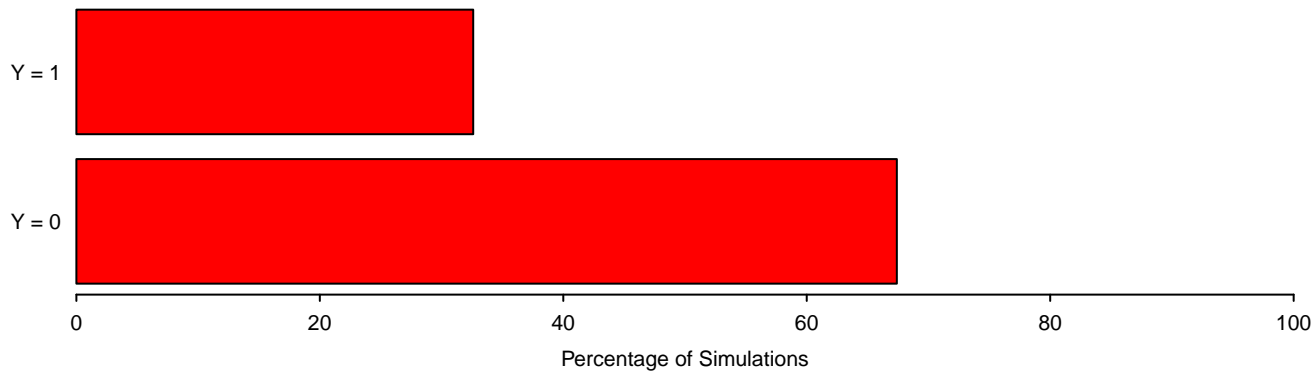
## Predicted Values: $Y|X$



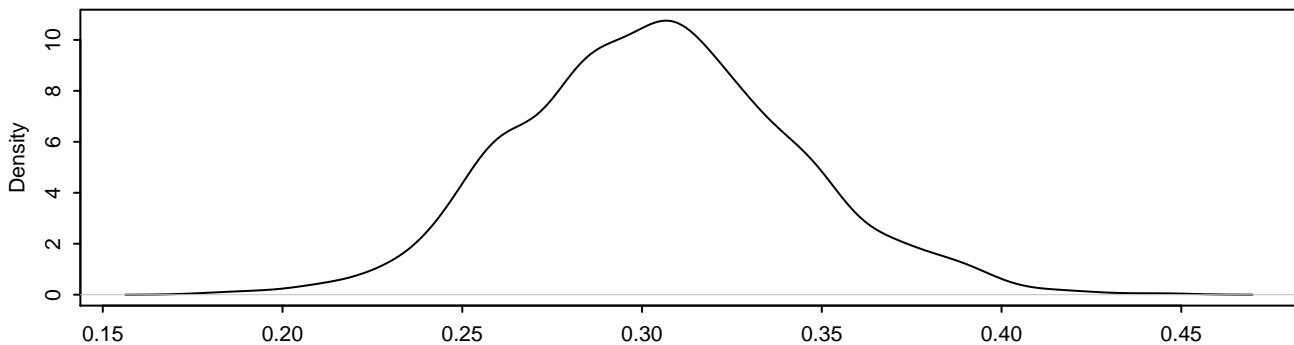
## Expected Values: $E(Y|X)$



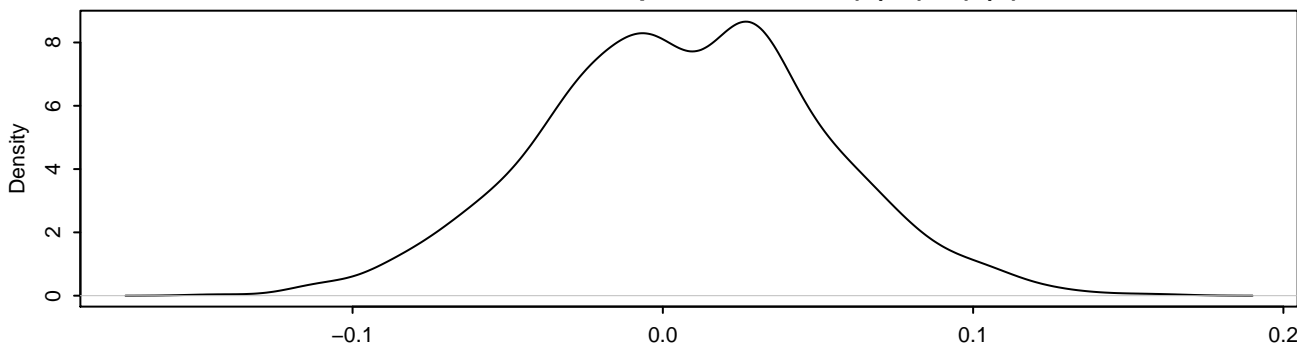
**Predicted Values:  $Y|X$**



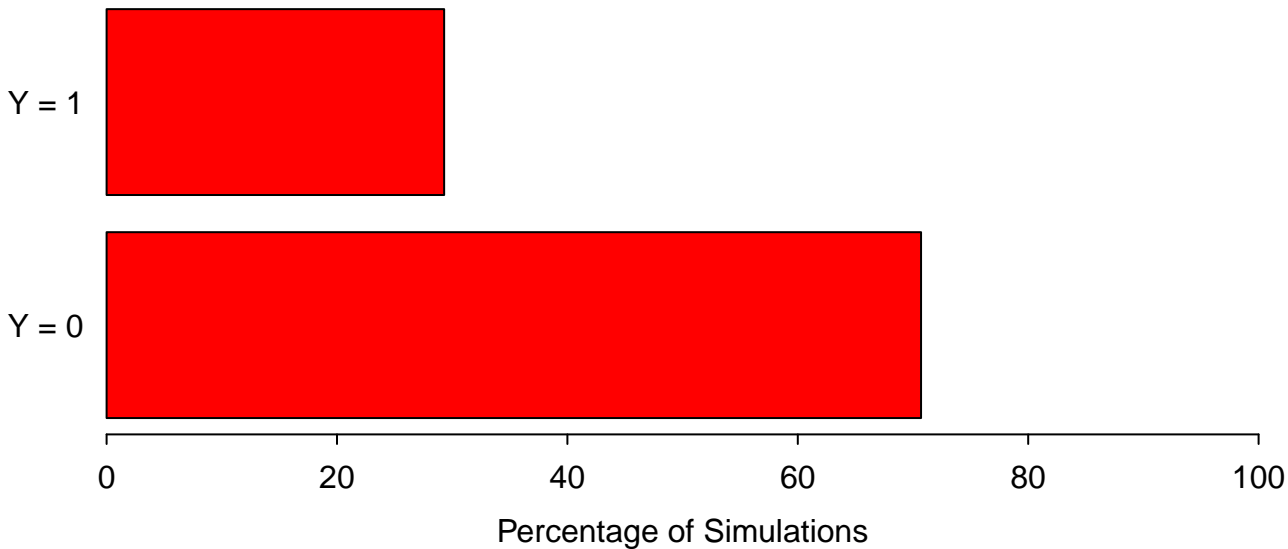
**Expected Values:  $E(Y|X)$**



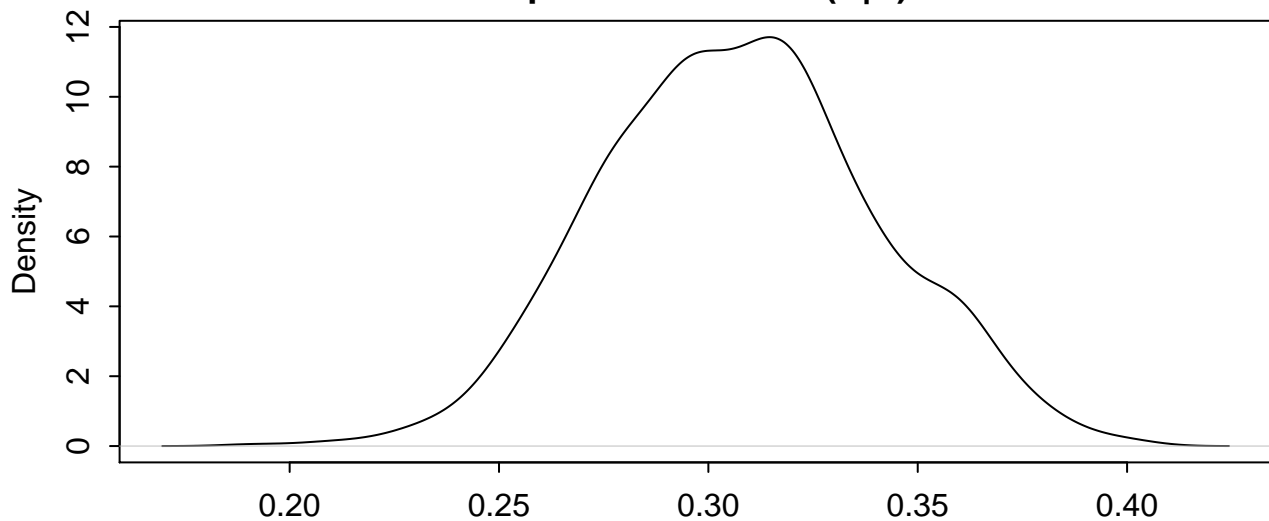
**First Differences in Expected Values:  $E(Y|X_1) - E(Y|X)$**



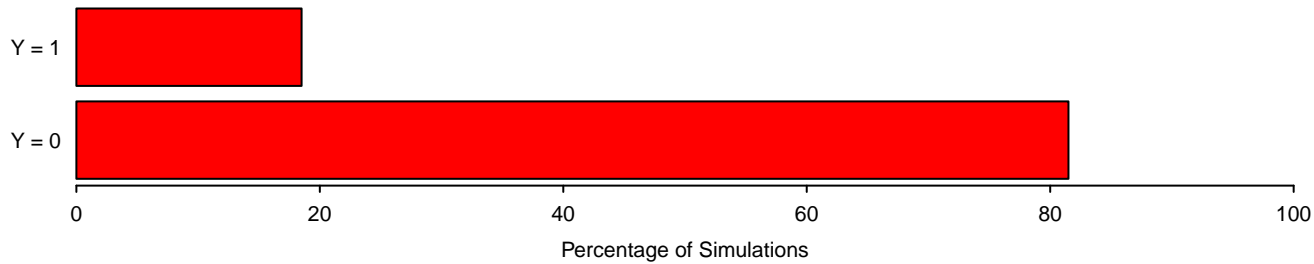
## Predicted Values: $Y|X$



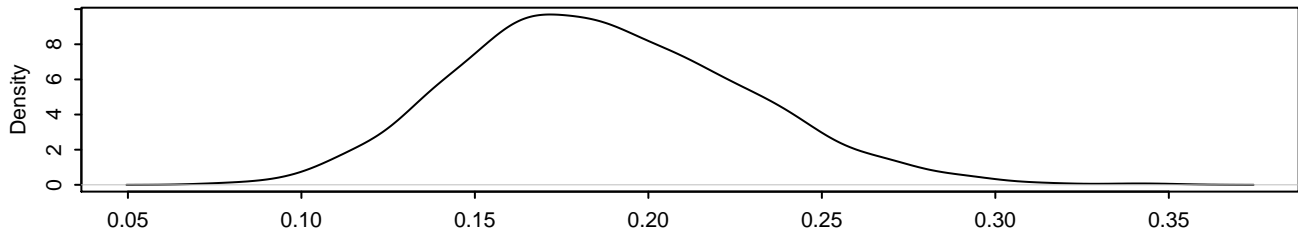
## Expected Values: $E(Y|X)$



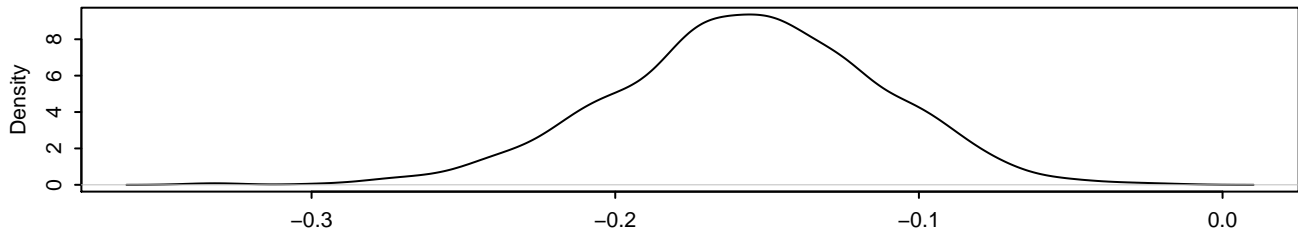
**Predicted Values:  $Y|X$**



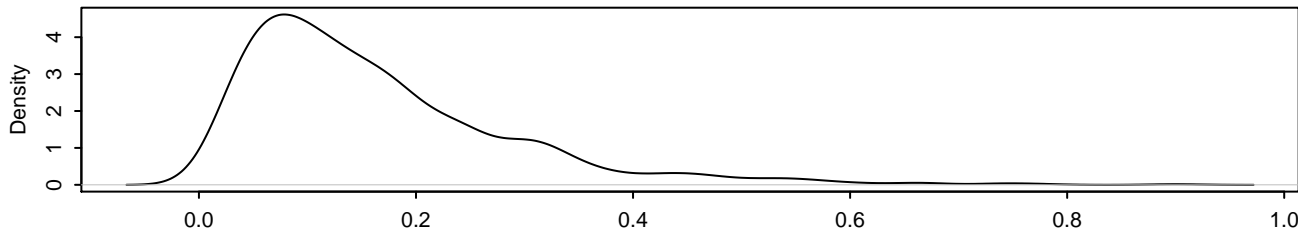
**Expected Values:  $E(Y|X)$**



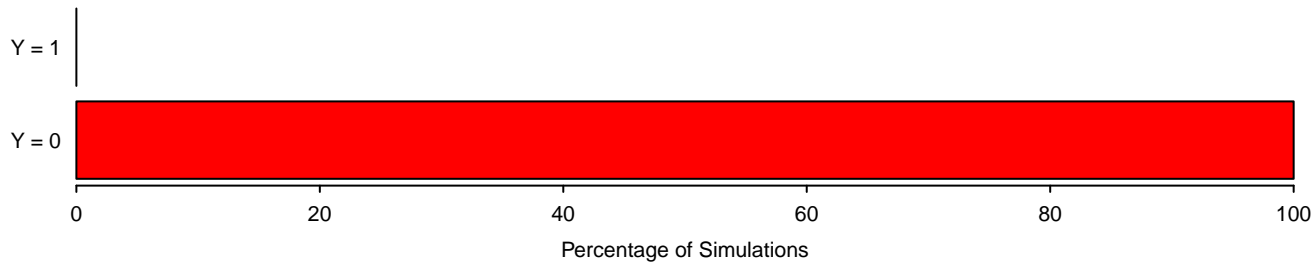
**First Differences in Expected Values:  $E(Y|X_1) - E(Y|X)$**



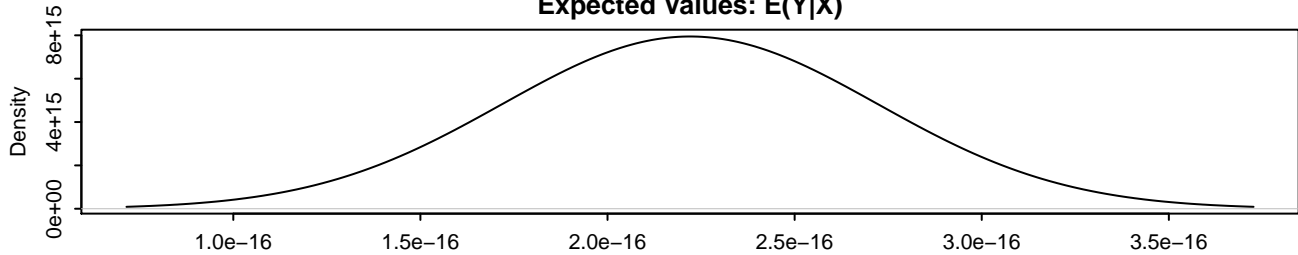
**Risk Ratios:  $P(Y=1|X_1)/P(Y=1|X)$**



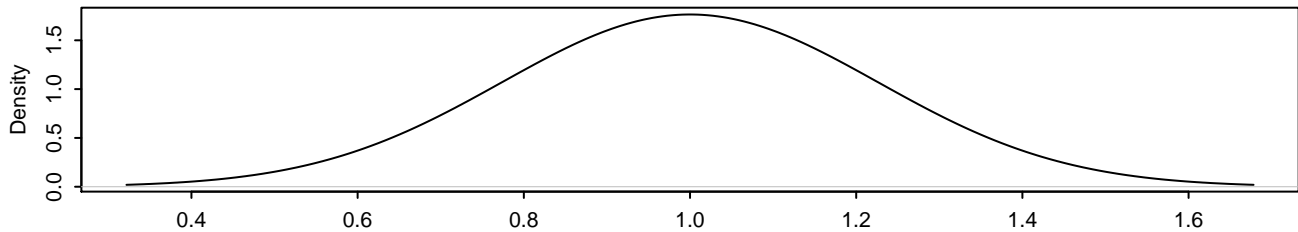
**Predicted Values:  $Y|X$**



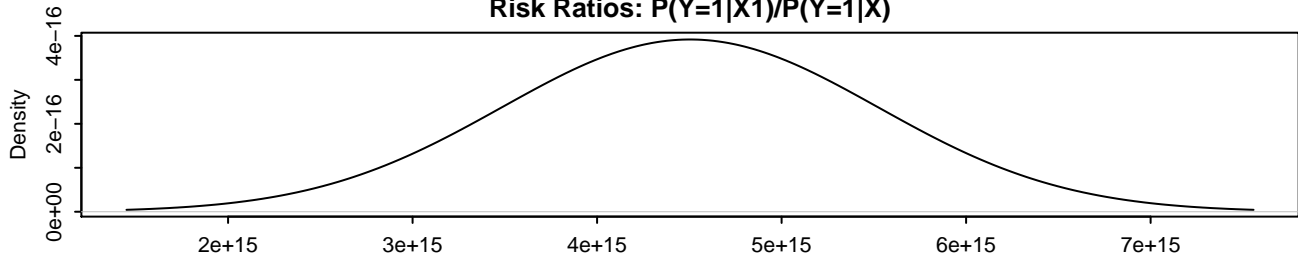
**Expected Values:  $E(Y|X)$**



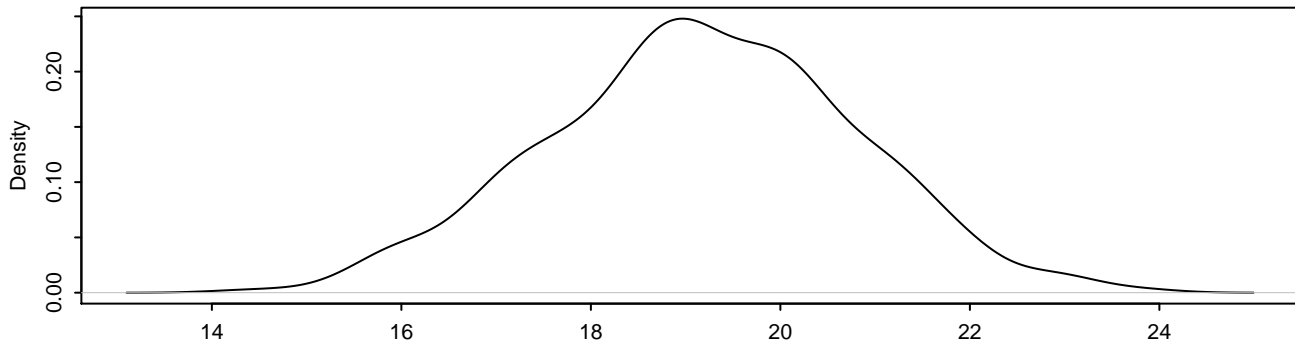
**First Differences in Expected Values:  $E(Y|X_1) - E(Y|X)$**



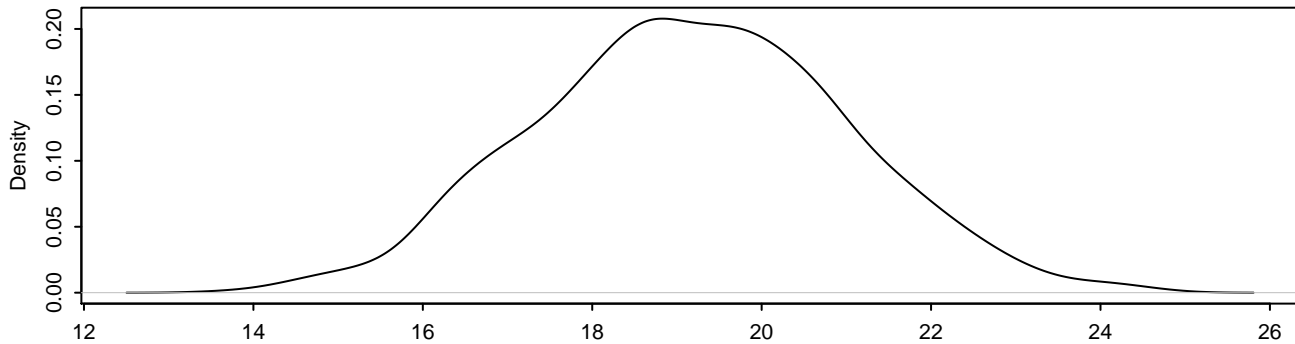
**Risk Ratios:  $P(Y=1|X_1)/P(Y=1|X)$**



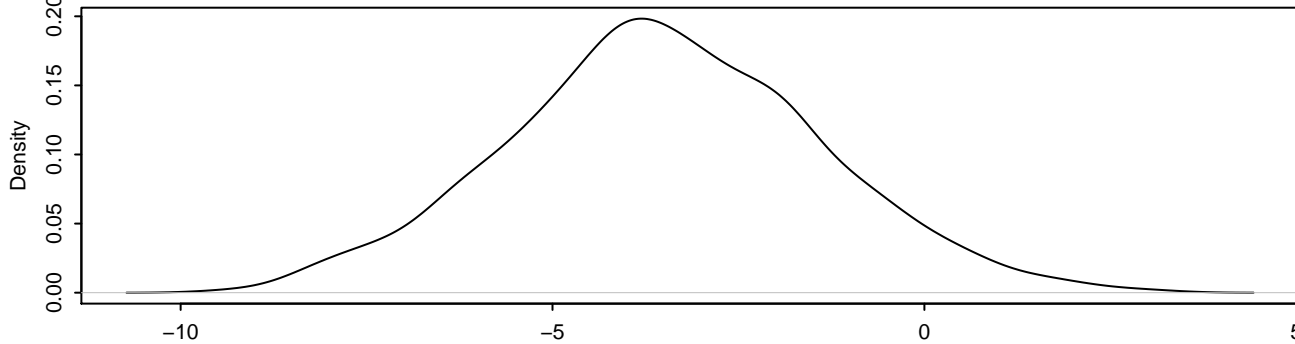
**Expected Quantile Values:  $Q(\tau=0.5 | X)$**



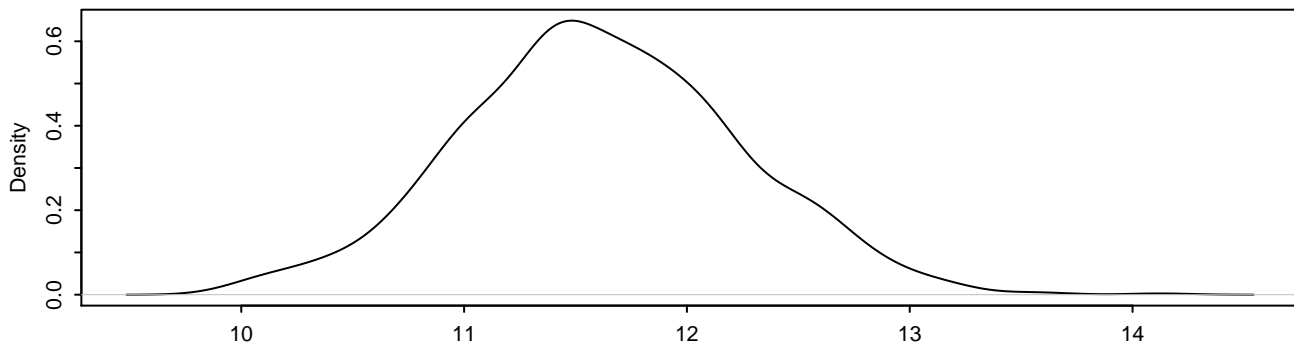
**Predicted Quantile Values:  $Q(\tau=0.5 | X)$**



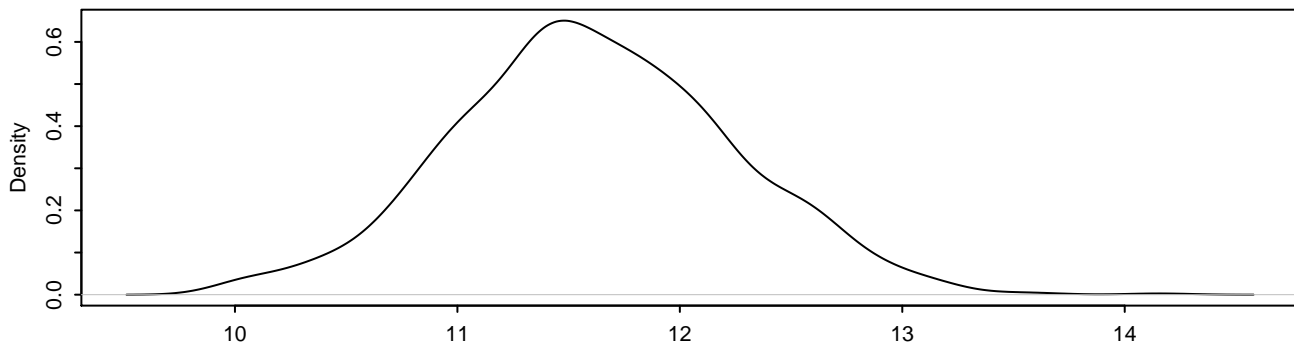
**First Differences in Expected Quantile Values:  $Q(\tau=0.5 | X_1) - Q(\tau=0.5 | X)$**



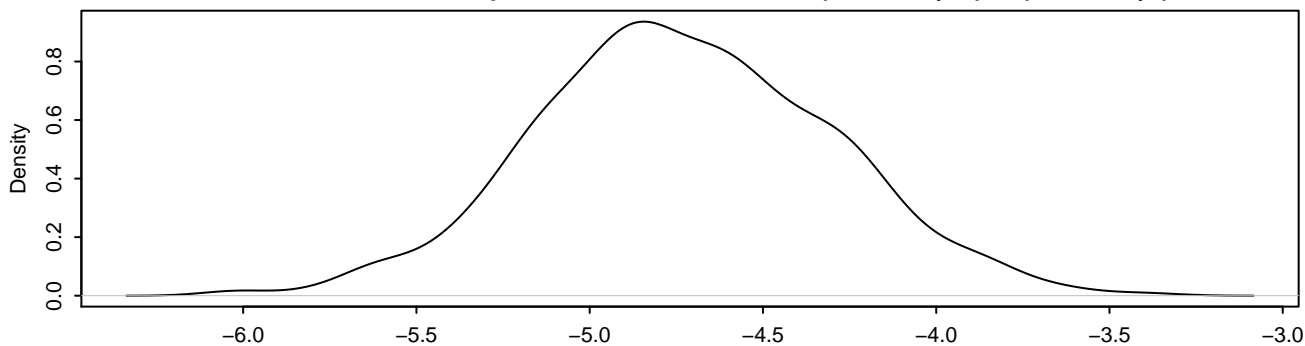
**Expected Quantile Values:  $Q(\tau=0.5 | X)$**



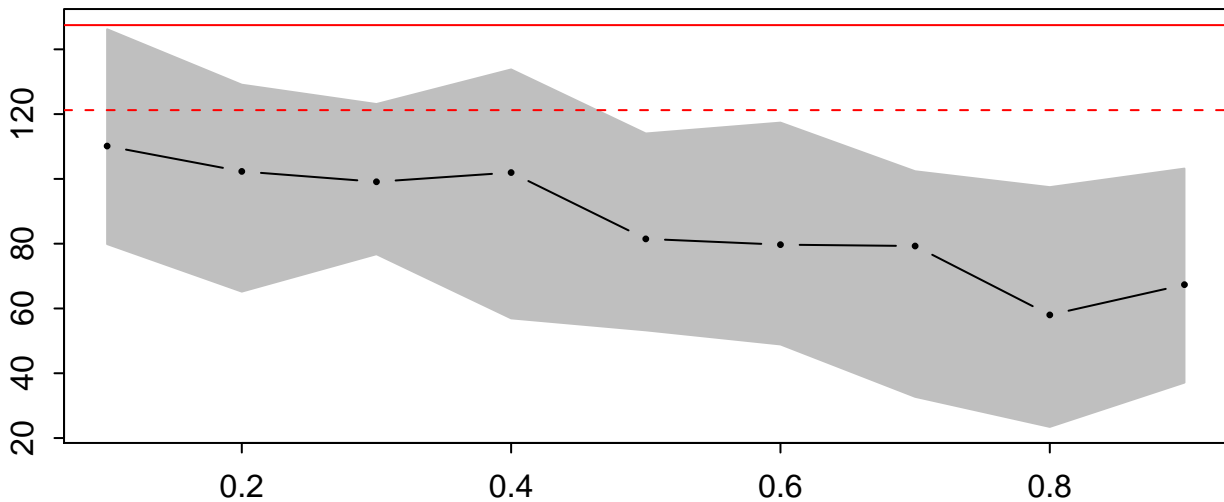
**Predicted Quantile Values:  $Q(\tau=0.5 | X)$**



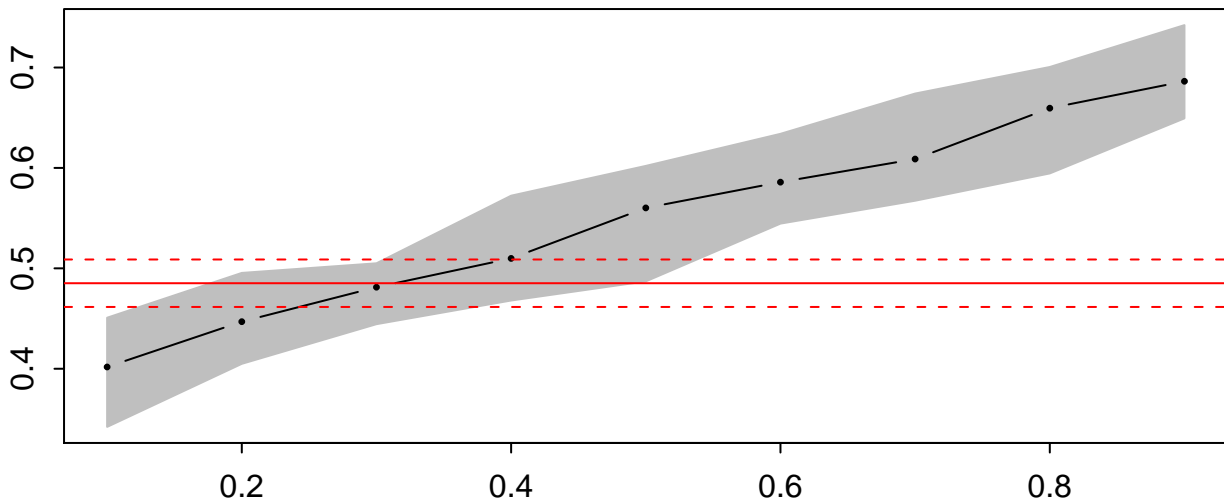
**First Differences in Expected Quantile Values:  $Q(\tau=0.5 | X_1) - Q(\tau=0.5 | X)$**



**(Intercept)**

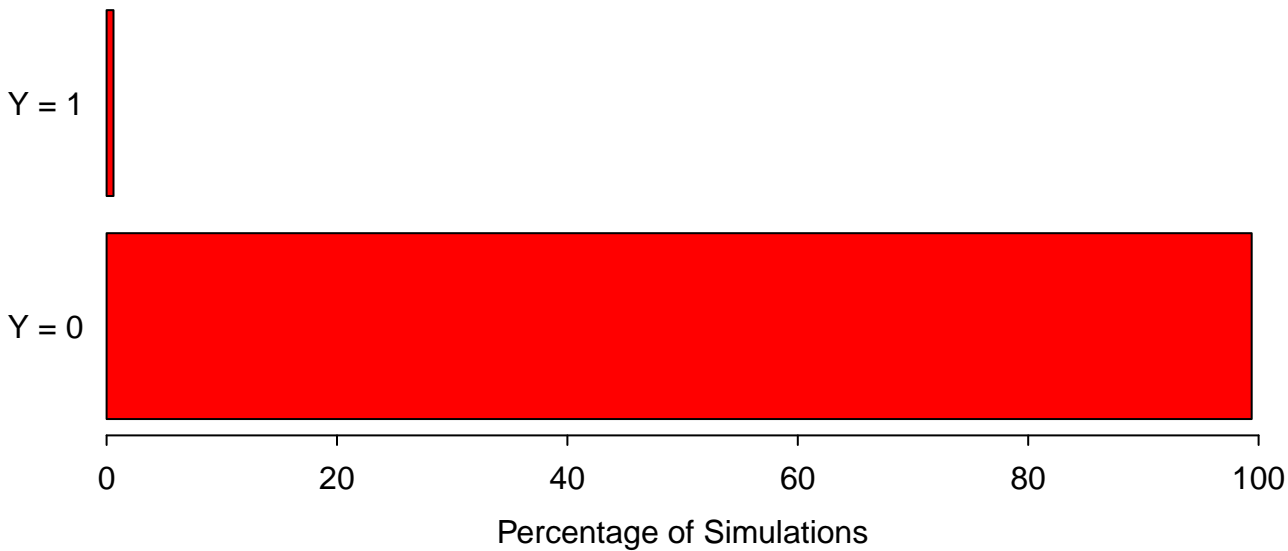


**income**

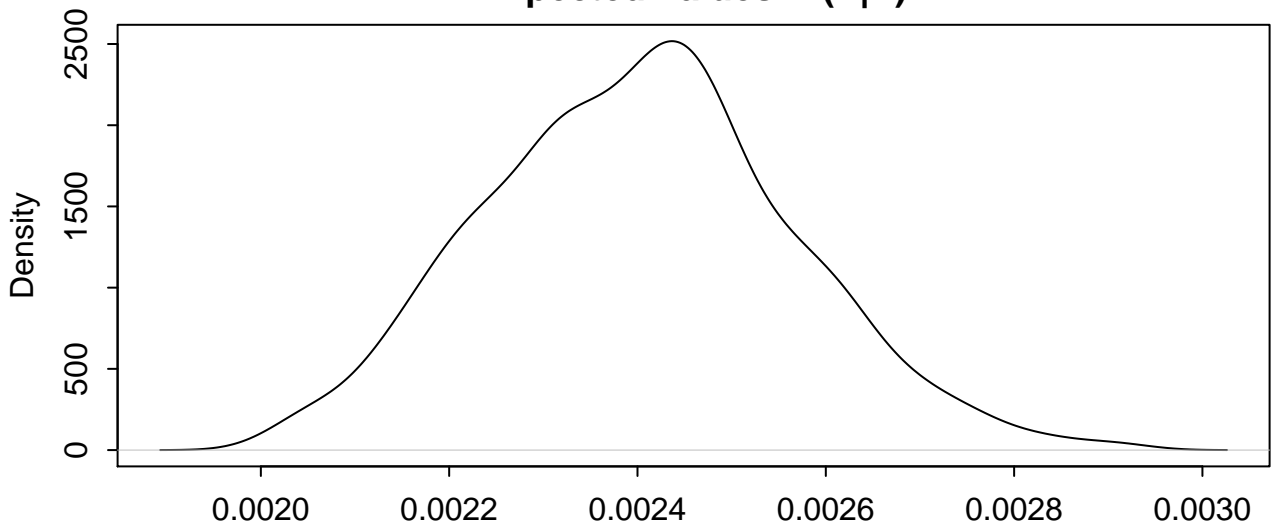




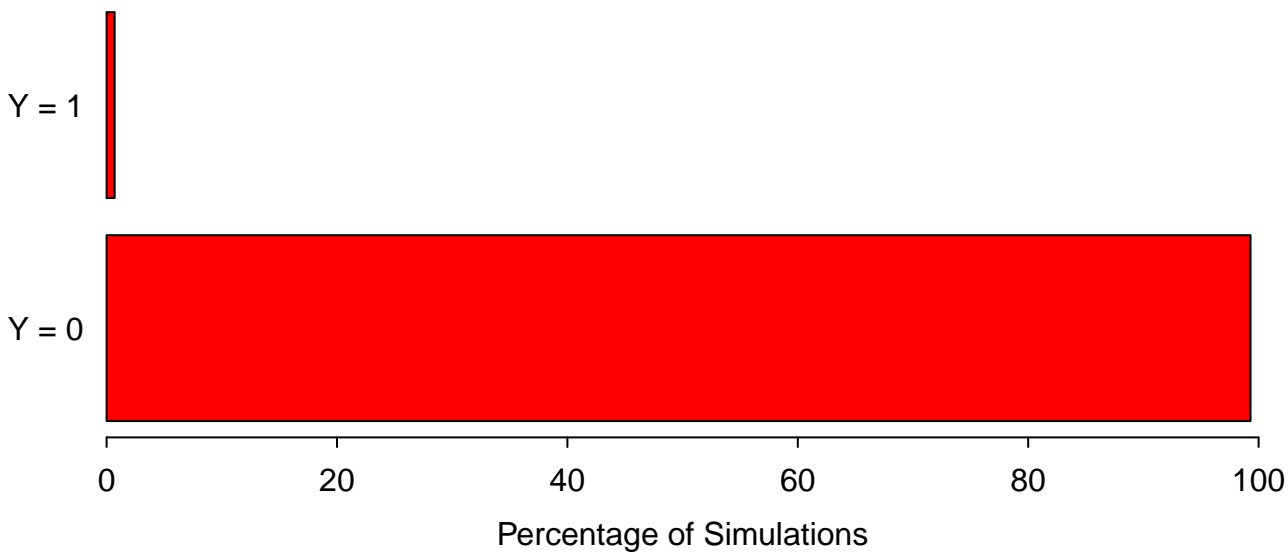
## Predicted Values: $Y|X$



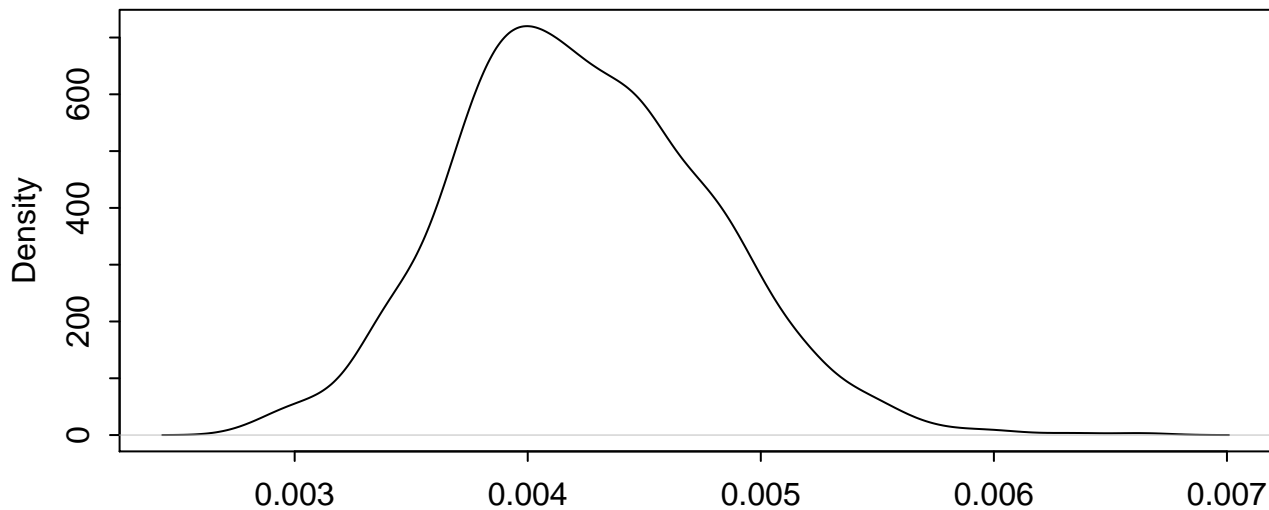
## Expected Values: $E(Y|X)$



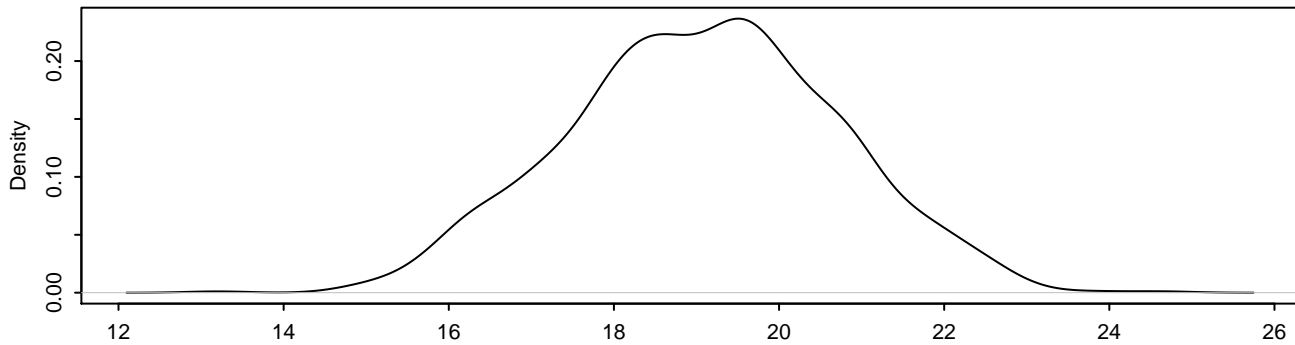
## Predicted Values: $Y|X$



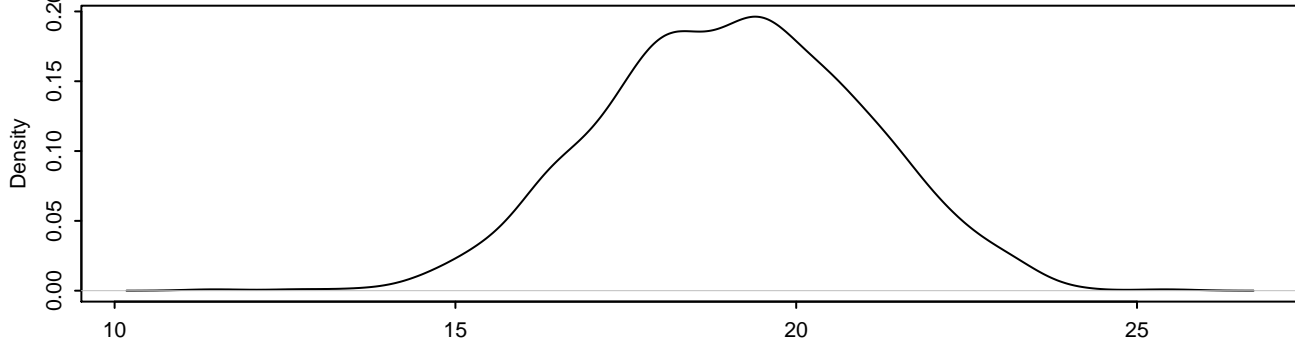
## Expected Values: $E(Y|X)$



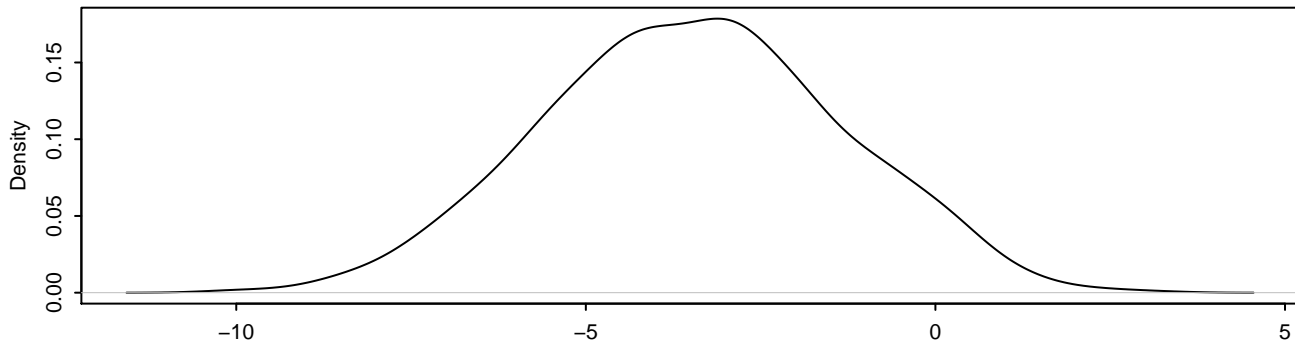
**Expected Quantile Values:  $Q(\tau=0.5 | X)$**



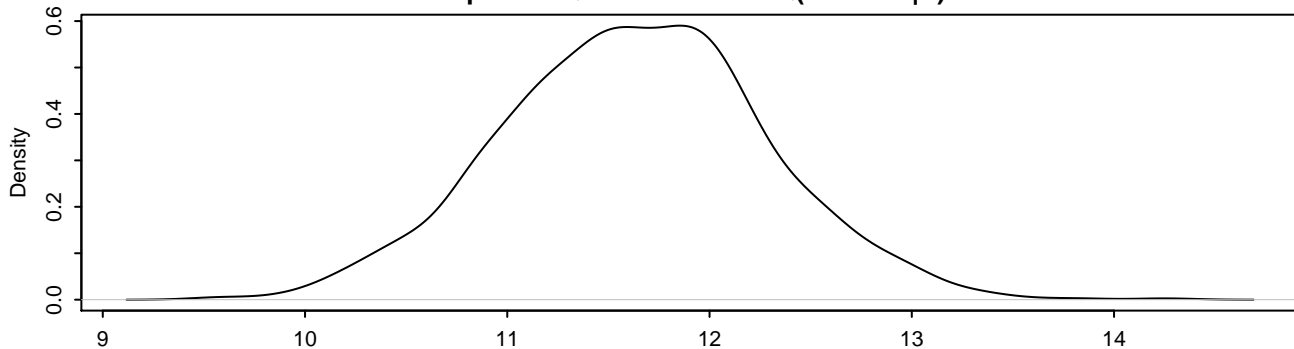
**Predicted Quantile Values:  $Q(\tau=0.5 | X)$**



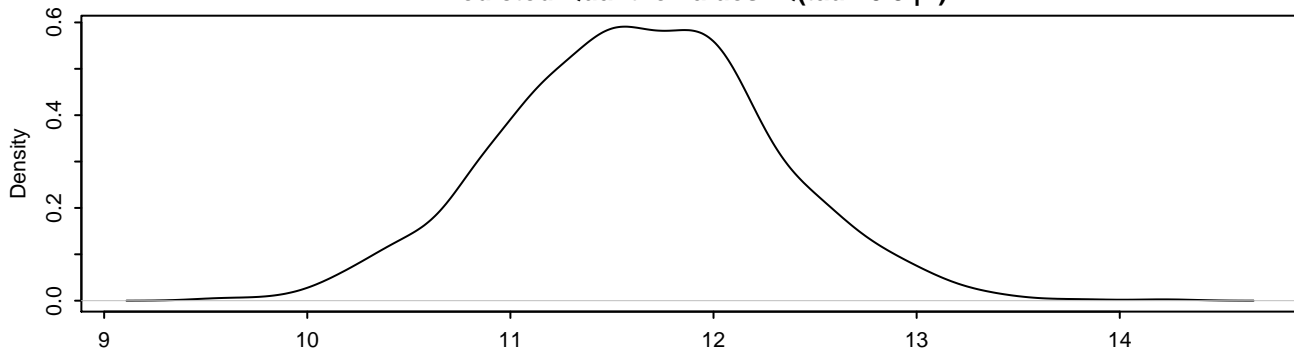
**First Differences in Expected Quantile Values:  $Q(\tau=0.5 | X_1) - Q(\tau=0.5 | X)$**



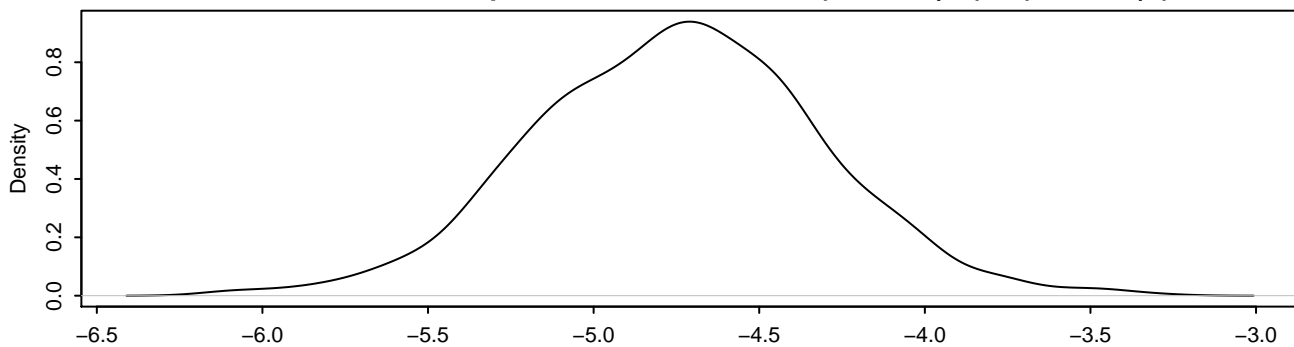
**Expected Quantile Values:  $Q(\tau=0.5 | X)$**



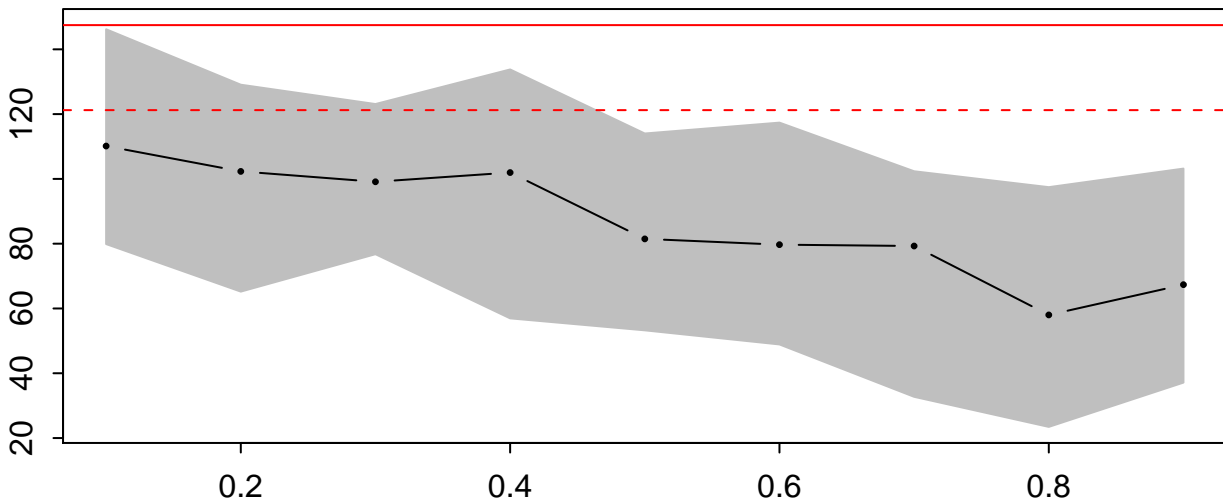
**Predicted Quantile Values:  $Q(\tau=0.5 | X)$**



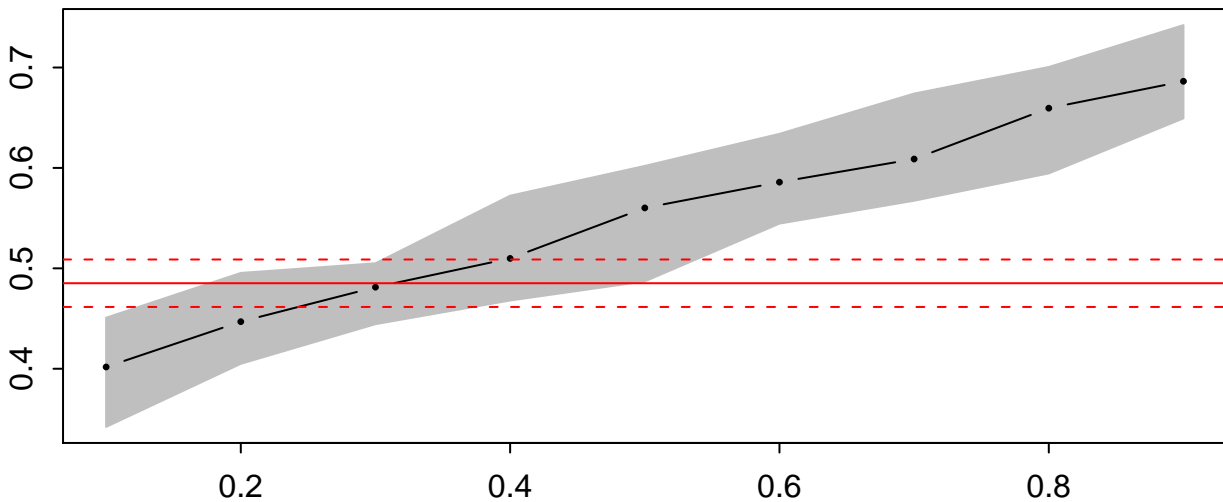
**First Differences in Expected Quantile Values:  $Q(\tau=0.5 | X_1) - Q(\tau=0.5 | X)$**



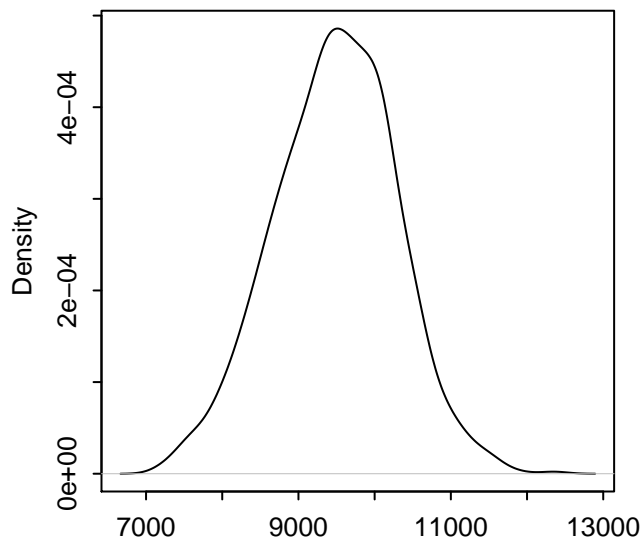
**(Intercept)**



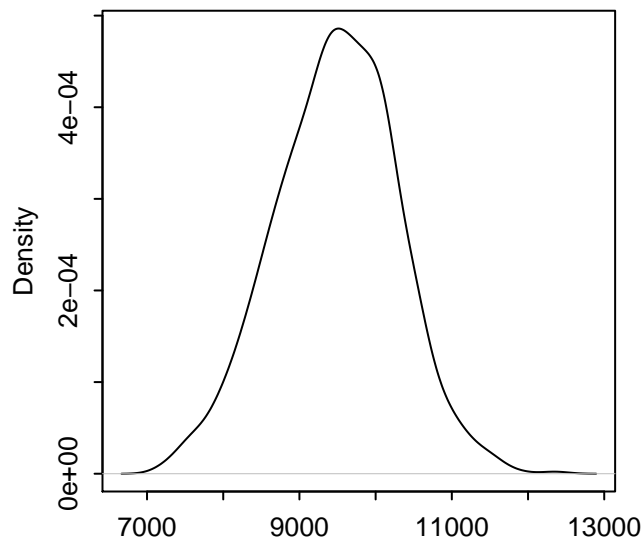
**income**



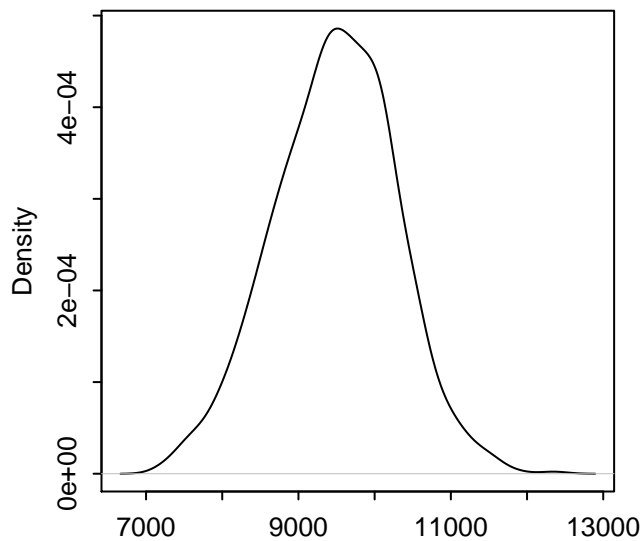
**Expected Values:  $E(Y|X)$**



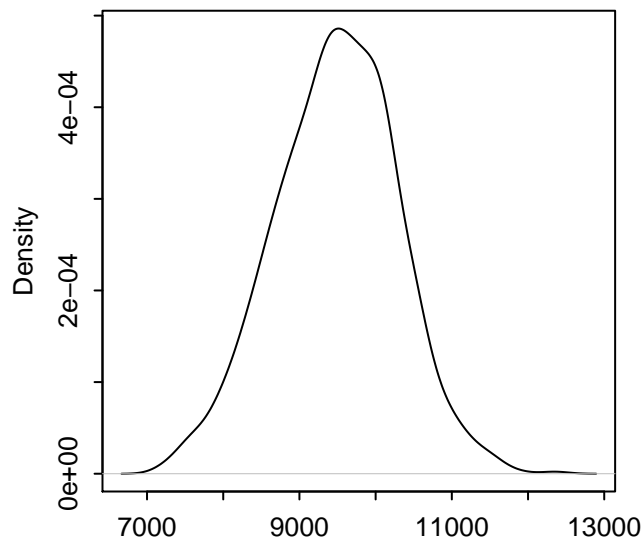
**Expected Values:  $E(Y|X)$**



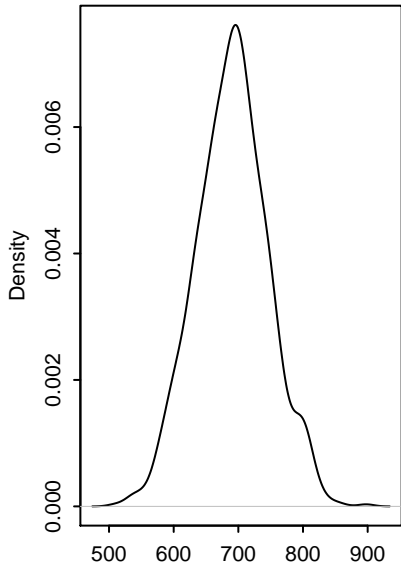
**Predicted Values:  $Y|X$**



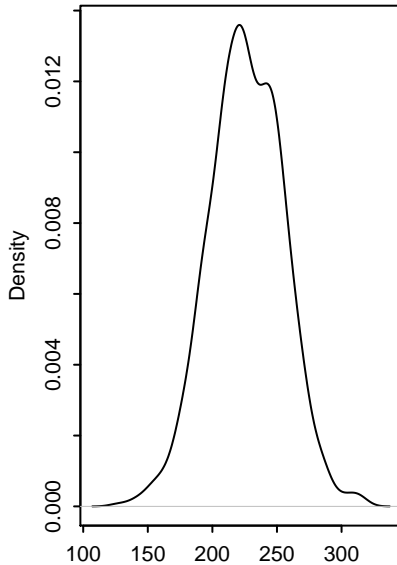
**Predicted Values:  $Y|X$**



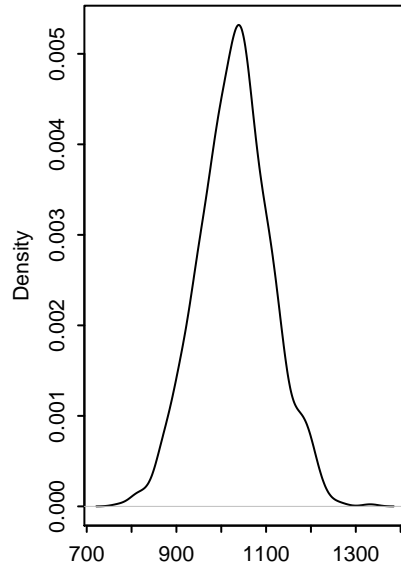
**Expected Values:  $E(Y|X)$**



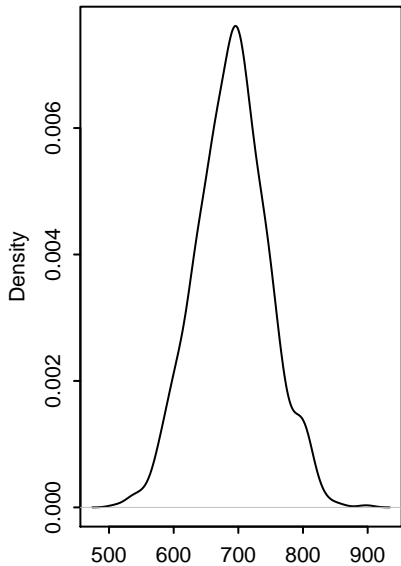
**Expected Values:  $E(Y|X)$**



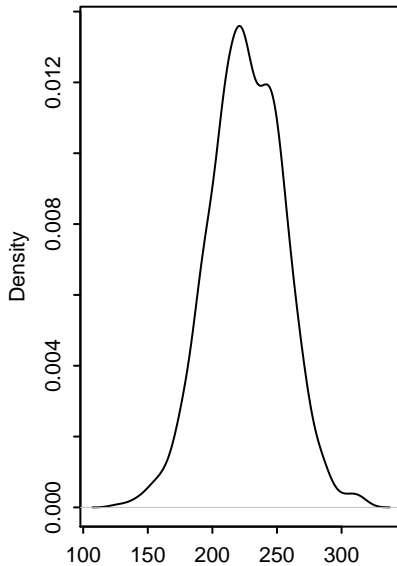
**Expected Values:  $E(Y|X)$**



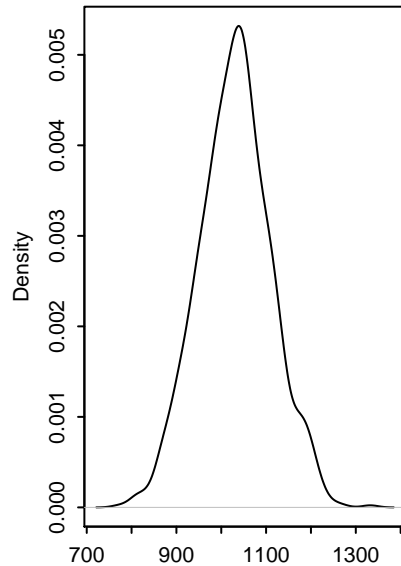
**Predicted Values:  $Y|X$**



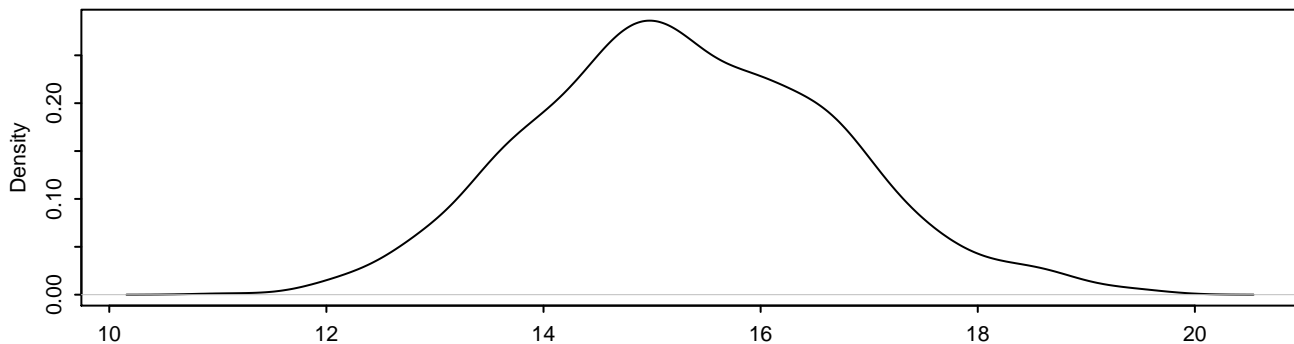
**Predicted Values:  $Y|X$**



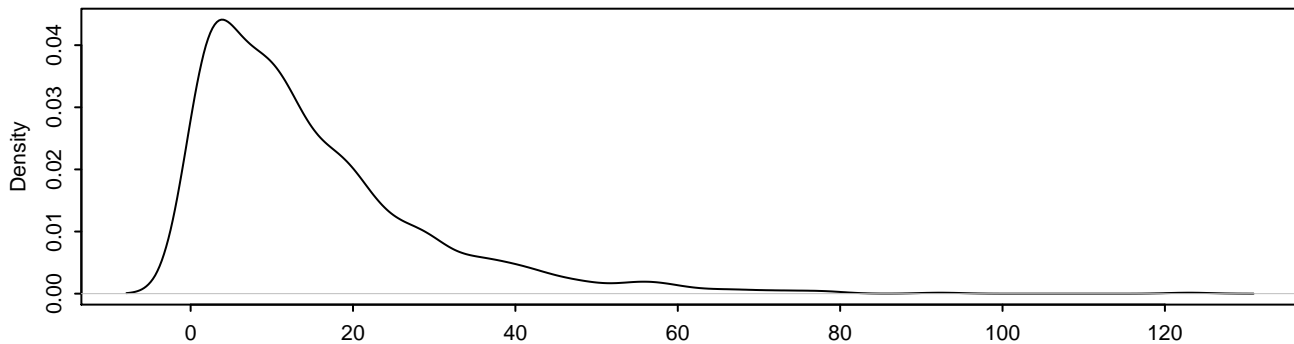
**Predicted Values:  $Y|X$**



**Expected Values:  $E(Y|X)$**



**Predicted Values:  $Y|X$**



**First Differences:  $E(Y|X_1) - E(Y|X)$**

