1)

A)

age, lbph, lcp, gleason, pgg45

B)

The test shows that we cannot reject this hypothesis.

C)

Prediction is -2.68615

D)

The Confidence Intervals got wider! I prefer the predictions
with the first model as it gives us a better idea of where the
predictors are.

E)

The new model is preferred because the test of whether the intercept
Is 0 will not allow us to conclude that this is false!

2)

A)

Sex, Income

B)

The coefficient is negative when the observation has the predictor of sex as 1,
This means if your sex is 1 or if you are female the amount you gamble will go down
by more or less 22 dollars!

C)

Average: Predicted he will gamble 28.2425

Maximal: Predicted he will gamble 71.3079

D)