

| If the adjusted $\mathbb{R}^2$ has ben chosen as the best model selection criterion, then given several candidate models, one should choose the model with the lowest adjusted $\mathbb{R}^2$ . | 3/3 points |
|---|------------|
| True  |            |
| False   |            |
| For a dataset with $n>8$ rows, the AIC favors smaller models.   | 3/3 points |
| True  |            |
| False   |            |
| For a dataset with $n>8$ rows, the penalty for adding parameters is higher for BIC than AIC.  | 3/3 points |
| True  |            |
| False   |            |
| $R^2$ and $R^2_a$ are the same when comparing models with the same number of predictors.  | 3/3 points |
| True  |            |
| False   |            |
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