6.2 Review Questions

6.2.R1

1/1 point (graded)

We perform best subset and forward stepwise selection on a single dataset. For both approaches, we obtain $p + 1$ models, containing $0, 1, 2, \ldots, p$ predictors.

Which of the two models with k predictors is guaranteed to have training RSS no larger than the other model?

- ◉ Best Subset
- ○ Forward Stepwise
- ○ They always have the same training RSS
- ○ Not enough information is given to know

✔

Submit

✔ Correct (1/1 point)

6.2.R2

1/1 point (graded)

Which of the two models with k predictors has the smallest test RSS?

- ◯ Best Subset

- ◯ Forward Stepwise

- ◯ They always have the same test RSS

- ◉ Not enough information is given to know

✔

Submit

✔ Correct (1/1 point)