STAT361 Laboratory for Advanced R for Data Science

Lab 2

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About Quiz 1

- · Due at 5pm on Jan. 27 (Friday)
- Commit and push your R code "mars_SFU_ID.R" to Sandbox folder in "SFUStat360Projects" repository
- · "mars_SFU_ID.R" should be based on Lab 1 exercise
- Send your GitHub Credentials to sidi_wu@sfu.ca for access to "SFUStat360Projects" repository if you haven't done so
- · *All test folders/files in Sandbox folder will be removed soon

Group Project

- The Projects directory has been created in "SFUStat360Projects" repository
- · Create a folder in the Projects directory of the repository
- Inside your folder create a README.md file that lists the names of your project team members

Office Hours (TBD)

- 10am-11am on Fridays
- · (Hybrid) Room K10504 + Zoom
- · No more replies to coding questions via email

Lab 2 Exercise

Continue with mars.R

- Step 1: Generate a dataset using the given code
- Step 2: Apply lm() and step() for model fitting & selection
 - *lm()*: fit linear models
 - step(): perform model selection with AIC
 - *Use R help session for more details about the mentioned functions
- Step 3: Modify mars()
 - · Add lm() to fwd stepwise()
 - Add step() to bwd_stepwise()
 - Test updated mars() the output should be the same as that of Step 2
- · Step 4: A debugging practice