

# Assignment 9

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## Assignment 9

In this assignment, you will use R (within R-Studio) to:

- Load and clean a real data set
- Conduct exploratory analyses, including informative figures
- Build and test appropriate models
- Draw conclusions about your data
- Combine all of the above into a well-documented R-Markdown report and export (knit) it into an HTML file

**All file paths should be relative, starting from the Assignment\_9 directory!! (where you found this file)**

**This means that you need to create a new R-Project named “Assignment\_9.Rproj” in your Assignment\_9 directory, and work from scripts within that.**

**For credit...**

1. Push a completed version of your Rproj and R-markdown file (details at end of this assignment) to GitHub
  2. Your score will also depend on your analyses and presentation of your final report
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## Your tasks:

- Use the data set “../Data/GradSchool\_Admissions.csv”
- You will explore and model the predictors of graduate school admission
  - the “admit” column is coded as 1=success and 0=failure
  - the other columns are the GRE score, the GPA, and the rank of the undergraduate institution, where I is “top-tier.”
- Document your data explorations, figures, and conclusions in a reproducible R-markdown report
- Upload your **self-contained** R project, including knitted report, to GitHub in *your* Assignment\_9 directory