Econ 294 Final Exam

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What to Turn In You will turn in github links to the r-markdown and compiled document (either html or pdf) for your assignment.

See the various .Rmd assignments files in your instructors assignments folder for tips on getting started. Here is a handy [cheatsheet for working with] R-Markdown(https://www.rstudio.com/wp-content/uploads/2015/02/rmarkdown-cheatsheet.pdf).

Data - Work with the r package `nycflights13`. Build your solutions by querying from the `nycflights13_sqlite()` sqlite database (see lecture 8 notes, `dplyr`'s two table verb and databases vignette for insight on how to do this). To be clear, this SQLite database must be your starting point, ***you may not load your data from any other source***.

Here is a detailed explaination of each database table, variable, and source.

Explain the relationship between **departure delays and cancelations** with each of the following flight facets:

a) weather

b) time of day, day of week, and time of year, and any other aspect of time

c) airport destination

d) characteristics of the plane

e) significant interactions between these facets

Use **concise**, clear text to explain nice-looking plots, tables, and models in support your analysis. The text of your paper (not including plots and tables) should exceed two pages.

At the end of your paper, I expect to have a clear idea of under what conditions I should expect takeoff delays and cancellations at New York City airports in 2013.