Logistic Regression

This assignment will focus on the aggregated speed dating data, containing information about gender, race, activity participation, and career.

- Use logistic regression with the glm() function. In order for it to work, you need to either have a binary variable (taking on values 0 or 1) as the target variable, or convert the thing that you want to predict into a factor variable, *e.g.*,

```
df$gender = factor(gender)
m = glm(gender ~ . , family = "binomial")
```

- Predict gender in terms of self-rated activity participation.

- Restrict to the subset of participants who indicated career code 2 (academia) or 7 (business / finance). Use logistic regression to differentiate between the two.

- Restrict to the subset of participants who indicated being Caucasian (race = 2) or Asian (race = 4). Use logistic regression to differentiate between the two.