Homework 2

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# INTD 8065 Data Analysis for Cancer Research

#### Use dataset VA in library MASS. This dataset contains the following variables:

stime: survival or follow-up time in days status dead (1) or censored (0).  
treattreatment: standard (1) or test (2).  
age: patient's age in years.  
Karn: Karnofsky score of patient's performance on a scale of 0 to 100. 10-30 completely hospitalized, 40-60 partial confinement, 70-90 able to care for self.  
diag.time: times since diagnosis in months at entry to trial.  
cell: one of four cell types; squamous (1), small cell (2), adeno (3) or large cell (4).  
prior: prior therapy; No (0), yes (10).

1. Only nine of the 137 patients survived at the end of the study. Using dplyr, filter the dataset so it only contains patients who died.
2. Produce a barplot for the cell types of tumors. [Rplot.png]
3. Are the different cell types equally represented in treatment groups?