# Class 9 Project

Garrett Cole

## Introduction to the RCSB Protein Data Bank (PDB)

```
pdbData <- "Data Export Summary.csv"
pdb <- read.csv(pdbData, row.names = 1)
View(pdb)
```

**Question 1: What percentage of structures in the PDB are solved by X-ray and Electron Microscopy?**

((169,916+12,908)/196,979) * 100 = 92.81%

**Question 2: What proportion of structures in the PDB are protein?**

(171,351/196,979) * 100 = 86.99%

**Question 3: Type HIV in the PDB website search box on the home page and determine how many HIV-1 protease structures are in the current PDB?**

646