

# STATS-506 HW1

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## Question 1

### Part (a)

```
# Read `abalone.data`
abalone <- read.csv("abalone.data", header = FALSE)
# Manually set data.frame column name
names(abalone) <- c("Sex", "Length", "Diameter", "Height", "Whole weight",
                    "Shucked weight", "Viscera weight", "Shell weight", "Rings")
# Print head of data
head(abalone)
```

	Sex	Length	Diameter	Height	Whole weight	Shucked weight	Viscera weight
1	M	0.455	0.365	0.095	0.5140	0.2245	0.1010
2	M	0.350	0.265	0.090	0.2255	0.0995	0.0485
3	F	0.530	0.420	0.135	0.6770	0.2565	0.1415
4	M	0.440	0.365	0.125	0.5160	0.2155	0.1140
5	I	0.330	0.255	0.080	0.2050	0.0895	0.0395
6	I	0.425	0.300	0.095	0.3515	0.1410	0.0775

  

	Shell weight	Rings
1	0.150	15
2	0.070	7
3	0.210	9
4	0.155	10
5	0.055	7
6	0.120	8