

Class 11 lab

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Section 1: Proportion of G/G in a population

```
mxl <- read.csv("373531-SampleGenotypes-Homo_sapiens_Variation_Sample_rs8067378.csv")
head(mxl)
```

	Sample..Male.Female.Unknown.	Genotype..forward.strand.	Population.s.	Father
1	NA19648 (F)	A A	ALL, AMR, MXL	-
2	NA19649 (M)	G G	ALL, AMR, MXL	-
3	NA19651 (F)	A A	ALL, AMR, MXL	-
4	NA19652 (M)	G G	ALL, AMR, MXL	-
5	NA19654 (F)	G G	ALL, AMR, MXL	-
6	NA19655 (M)	A G	ALL, AMR, MXL	-
Mother				
1	-			
2	-			
3	-			
4	-			
5	-			
6	-			

```
mxl$Genotype..forward.strand.
```

```
[1] "A|A" "G|G" "A|A" "G|G" "G|G" "A|G" "A|G" "A|A" "A|G" "A|A" "G|A" "A|A"
[13] "A|A" "G|G" "A|A" "A|G" "A|G" "A|G" "A|G" "G|A" "A|G" "G|G" "G|G" "G|A"
[25] "G|G" "A|G" "A|A" "A|A" "A|G" "A|A" "A|G" "G|A" "G|G" "A|A" "A|A" "A|A"
[37] "G|A" "A|G" "A|G" "A|G" "A|A" "G|A" "A|G" "G|A" "G|A" "A|A" "A|A" "A|G"
[49] "A|A" "A|A" "A|G" "A|G" "A|A" "G|A" "A|A" "G|A" "A|G" "A|A" "G|A" "A|G"
[61] "G|G" "A|A" "G|A" "A|G"
```

```
table(mx1$Genotype..forward.strand.)
```

```
A|A A|G G|A G|G  
22  21  12   9
```

```
table(mx1$Genotype..forward.strand.) / nrow(mx1) *100
```

```
      A|A      A|G      G|A      G|G  
34.3750 32.8125 18.7500 14.0625
```