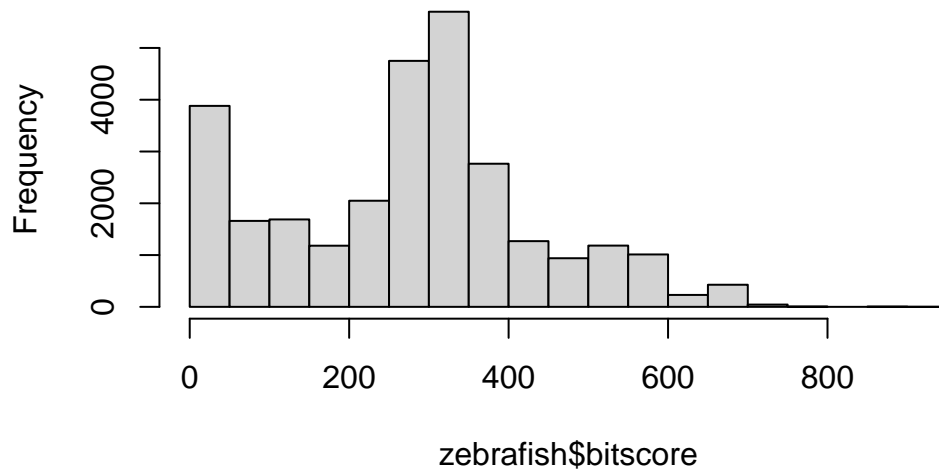


# Class 16: AWS Instance

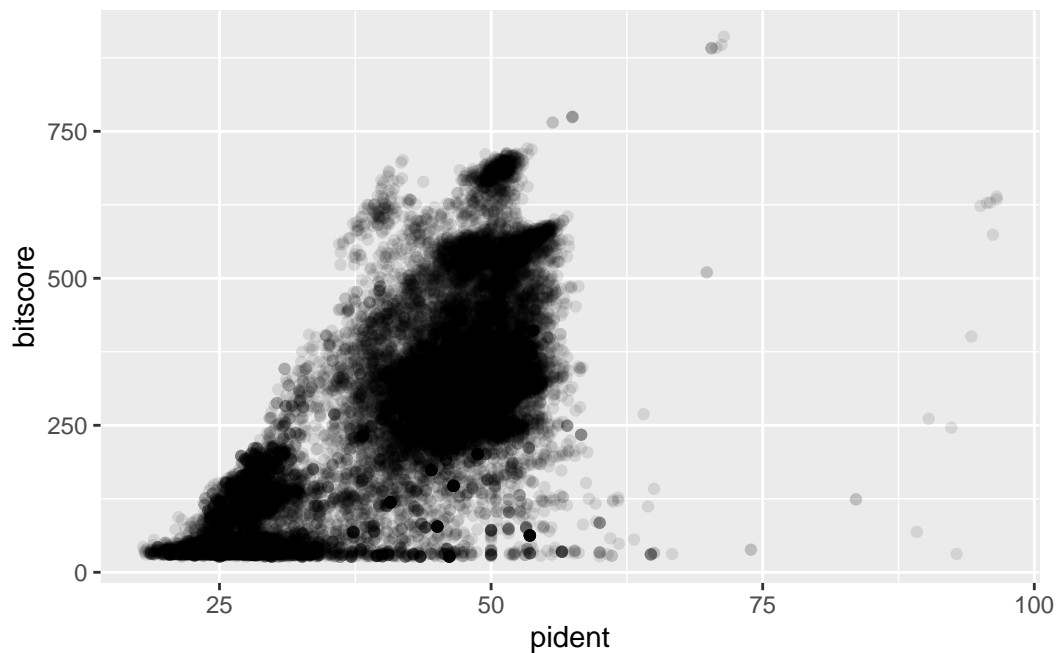
Raquel Gonzalez (PID: A16207442)

```
zebrafish <- read.delim("C:mm-second.x.zebrafish.tsv")  
  
colnames(zebrafish) <- c("qseqid", "sseqid", "pident", "length", "mismatch", "gapopen", "q  
  
hist(zebrafish$bitscore, breaks = 30)
```

**Histogram of zebrafish\$bitscore**



```
library(ggplot2)  
ggplot(zebrafish, aes(pident, bitscore)) +  
  geom_point(alpha=0.1)
```



```
ggplot(zebrafish, aes((zebrafish$pident * (zebrafish$qend - zebrafish$qstart)), bitscore))
```

Warning: Use of `zebrafish\$pident` is discouraged.  
i Use `pident` instead.

Warning: Use of `zebrafish\$qend` is discouraged.  
i Use `qend` instead.

Warning: Use of `zebrafish\$qstart` is discouraged.  
i Use `qstart` instead.

Warning: Use of `zebrafish\$pident` is discouraged.  
i Use `pident` instead.

Warning: Use of `zebrafish\$qend` is discouraged.  
i Use `qend` instead.

Warning: Use of `zebrafish\$qstart` is discouraged.  
i Use `qstart` instead.

```
`geom_smooth()` using method = 'gam' and formula = 'y ~ s(x, bs = "cs")'
```

