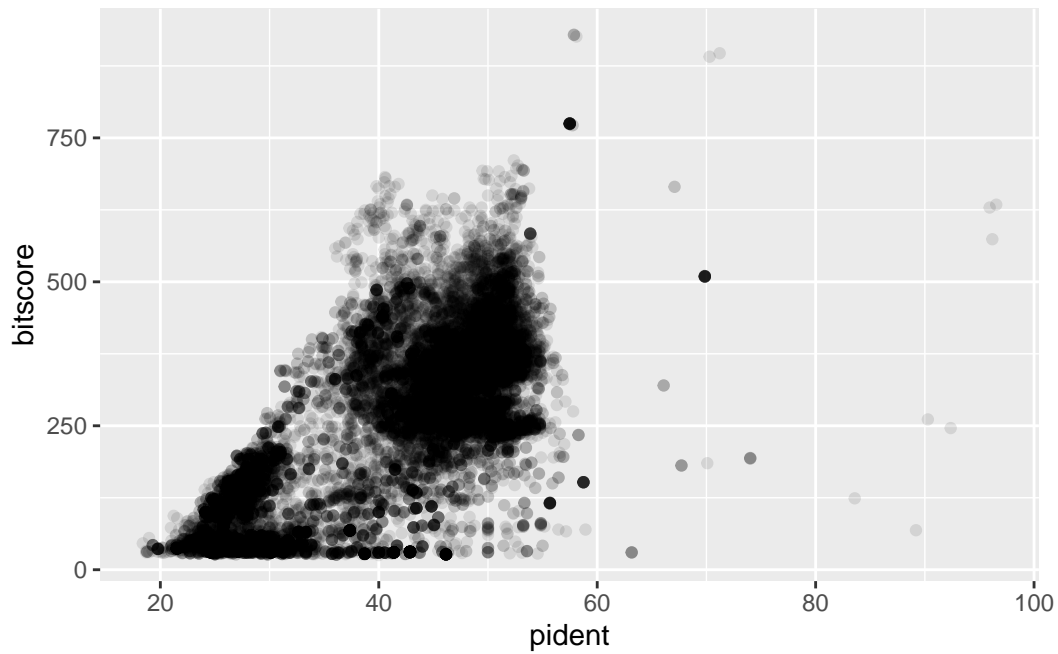# Class16

Anyoleth Alarcon A17347293

Going to use blast results to get a visual representation

```
b <- read.delim("results.tsv")
colnames(b) <- c("qseqid", "sseqid", "pident", "length", "mismatch", "gapopen", "qstart", "q
```

```
library(ggplot2)
```

```
ggplot(b, aes(pident, bitscore)) +
  geom_point(alpha=0.1)
```

```
ggplot(b, aes((b$pident * (b$qend - b$qstart)), bitscore)) + geom_point(alpha=0.1) + geom_smo
```

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

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

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

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

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

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

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