

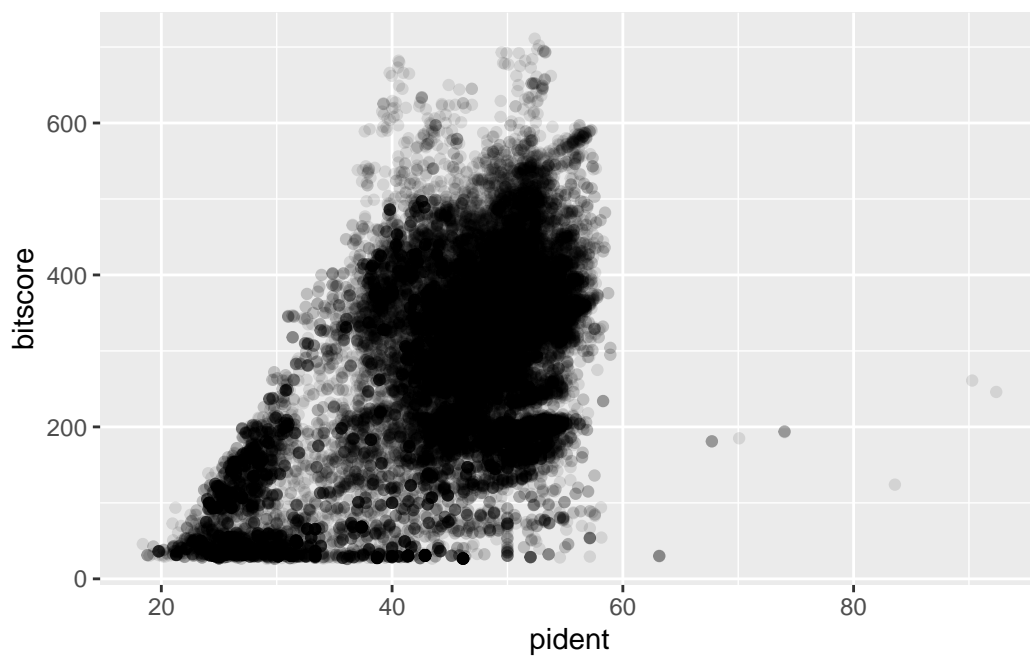
# Lab 16 my\_result.csv

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```
b <- read.table("my_results.tsv")

colnames(b) <- c("qseqid", "sseqid", "pident", "length", "mismatch", "gapopen", "qstart", "qend", "sstart", "send")

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_smooth(alpha=0.1)
```

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")'

