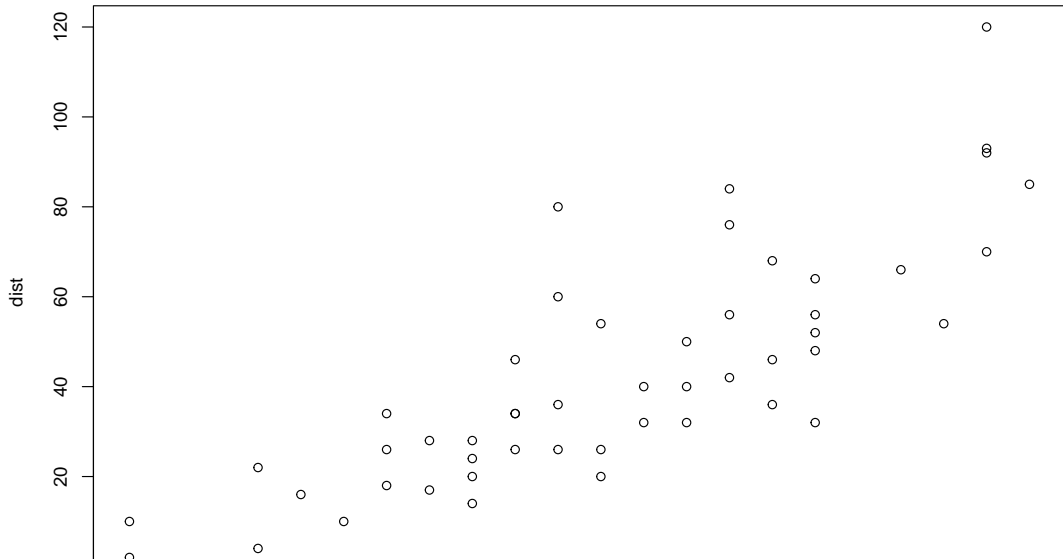# MATH9999 Lecture 1 Complete Version

Clement Lee

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Plot the cars dataset in R.

```r
plot(cars)
```

Find the numerical value of 2π, to 4 decimal places.

```
round(2 * pi, 4)
```

```
## [1] 6.2832
```

Show that $e^{i\pi} + 1 = 0$.

$$e^{i\pi} + 1 = \cos \pi + i \sin \pi + 1$$
$$= -1 + i \times 0 + 1 = 0$$