Assignment 6: Under (blood) pressure
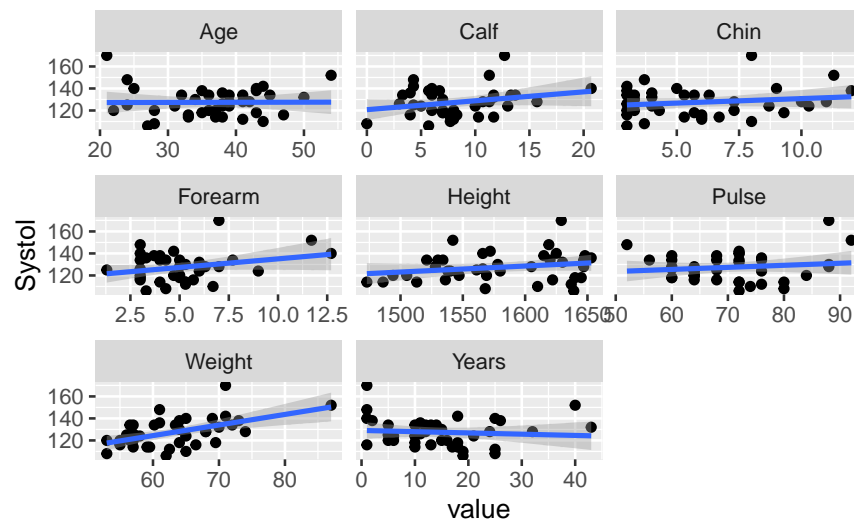
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Exercise 1

```
blood_pressure %>%
  pivot_longer(cols = Age:Pulse, names_to = "measurement", values_to = "value") %>%
  ggplot() +
  geom_point(aes(x = value, y = Systol)) +
  geom_smooth(aes(x = value, y = Systol), method = "lm") +
  facet_wrap(~ measurement, scales = "free_x")
```

```
## `geom_smooth()` using formula = 'y ~ x'
```


Exercise 2

i) Years graph, the blue regression line tilts slightly down. Therefore, there is a weak negative correlation between Years and Systol.

ii) Forearm and Calf also show positive slopes, but Weight is the largest and most pronounced. Therefore, the answer is Weight.

Exercise 3

Exercise 4

Exercise 5

Exercise 6

Exercise 7

Exercise 8

Exercise 9

Exercise 10

Exercise 11

Exercise 12

Academic Integrity statement