

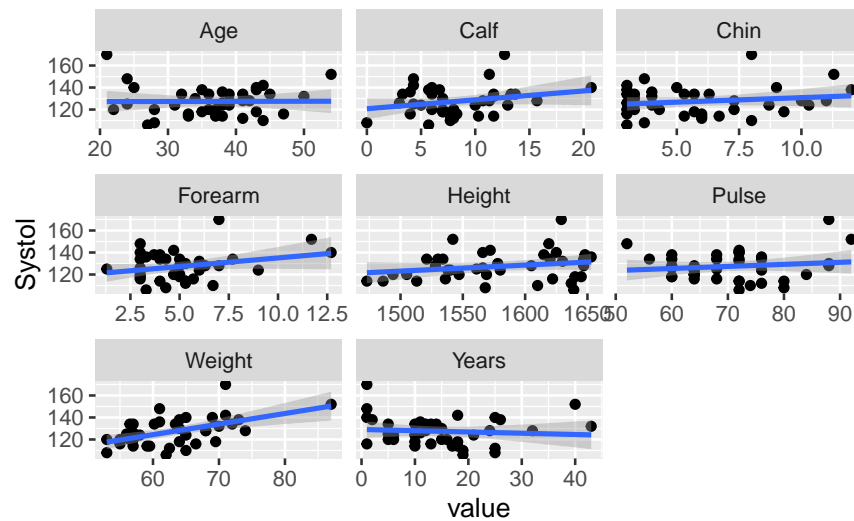
# Assignment 6: Under (blood) pressure

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## Exercise 1

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



## Exercise 2

- Years graph, the blue regression line tilts slightly down. Therefore, there is a weak negative correlation between Years and Systol.
- Forearm and Calf also show positive slopes, but Weight is the largest and most pronounced. Therefore, the answer is Weight.

## Exercise 3

```
blood_pressure_updated <- blood_pressure %>%  
  mutate(urban_frac_life = Years / Age)
```

#### Exercise 4

```
systol_urban_frac_model <- lm(Systol ~ urban_frac_life, data = blood_pressure_updated)
```

#### Exercise 5

#### Exercise 6

#### Exercise 7

#### Exercise 8

#### Exercise 9

#### Exercise 10

#### Exercise 11

#### Exercise 12

#### Academic Integrity statement