# P5.2 Statistics for Medicine

#### Massimo Borelli

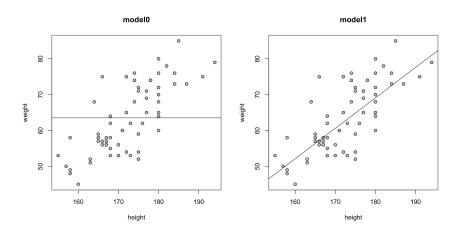
## Master of Advanced Studies in Medical Physics

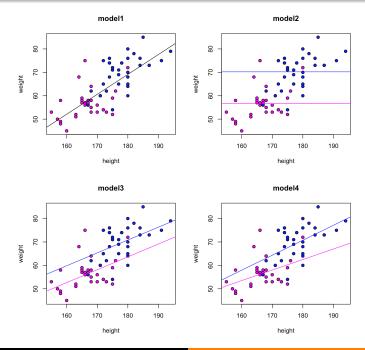




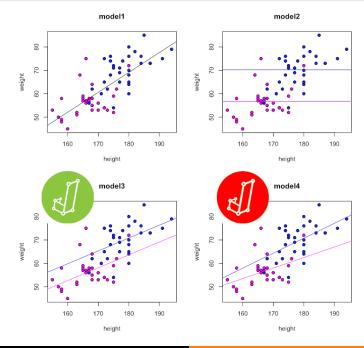


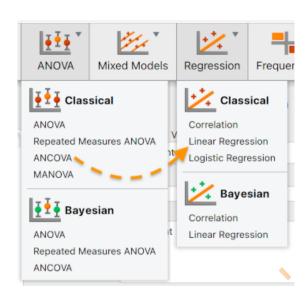




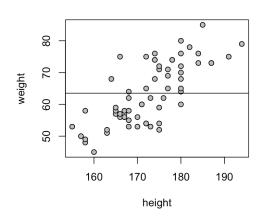


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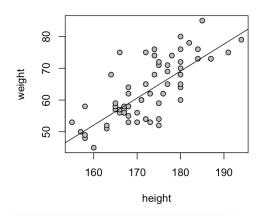


### model0



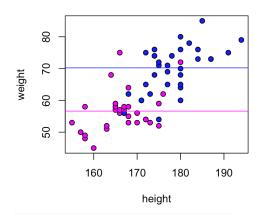
ullet weight  $\sim$  1

### model1



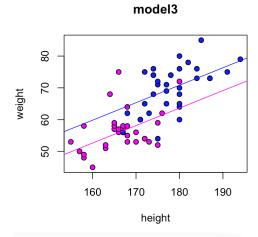
ullet weight  $\sim$  height

### model2



ullet weight  $\sim$  gender

ullet weight  $\sim$  gender + height



ullet weight  $\sim$  gender \* height

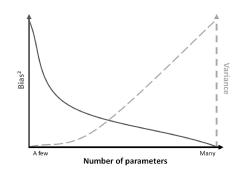
#### the same:

ullet weight  $\sim$  gender + height + height:gender



# model4 8 70 weight 9 50 160 170 180 190 height





https://www.sciencedirect.com/science/article/pii/ S2468042719300508