* Shoe company – predict shoe size
* Provide data
* Download data
* Check data
* Save cleaned to new file
* Regression is about PREDICTION
* Scatterplot – underlying patter apparent for humans
* Scatterplot – regression line
* Regression model shoesize height
* Interpreting the coefficients: Regression gives a mathematical equation that allows prediction Y = …
* E.g 170 cm
* New predictions with transform - compute
* Predicted values all fall on the regression line
* **How good is my model**
* Residual error
* Analyze > Regression > Linear tab under the save PRED and RES
* New variables will appear!
* RAD
* RSS
* Is taking into account the predictors useful?
* Compare to the best-guess model
* RSS of this model = TSS
* R^2 = 1 - (RSS/TSS).
* Summary table gives you this
* Likelihood ratio test ANOVA compares if significant