## Putting the CART before the horse

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# Multiple Regression approach

How do we avoid overfitting?

### We want:

Random Forest approach

Background

### Project

Examine the effect of regeneration on the molecular age profile of Parhyale limbs

#### Designing codeset

- \*Nanostring as method to quantify gene expression
- \*200 genes in codeset
- -195 genes chosen on the basis of differential expression analysis
- -5 control genes: do not vary in expression between conditions