

CHAPTER OVERVIEW

6: Two-Dimensional Data - Models

Here we finally come to the world of *statistical models*, the study of not just differences but *how exactly* things are related. One of the most important features of models is an ability to *predict* results. Modeling expands into thousands of varieties, there are experiment planning, Bayesian methods, maximal likelihood, and many others—but we will limit ourself with correlation, core linear regression, analysis of covariation, and introduction to logistic models.

[6.1: Analysis of Correlation](#)

[6.2: Analysis of regression](#)

[6.3: Probability of the success- logistic regression](#)

[6.4: Answers to exercises](#)

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