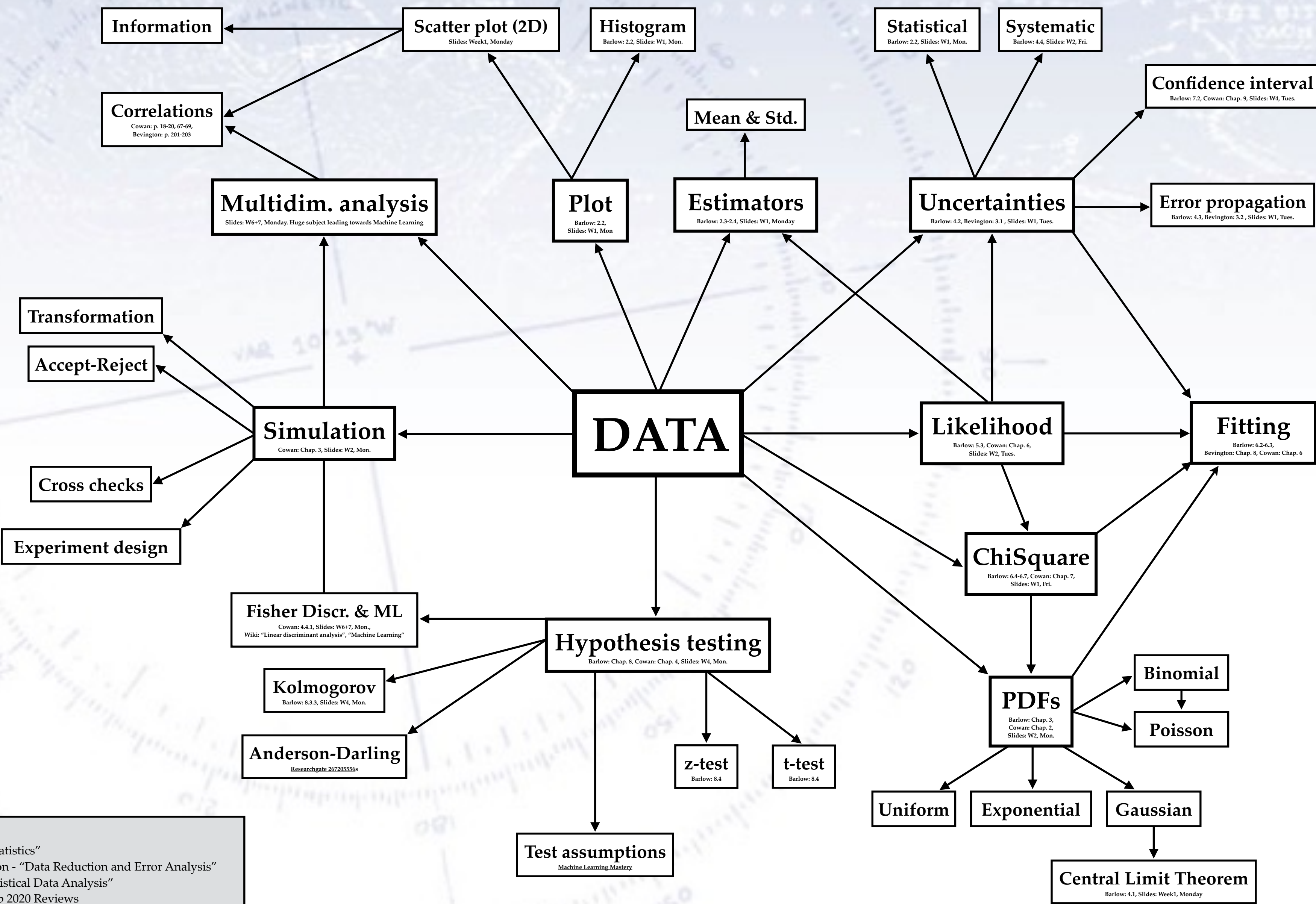


Applied Statistics

Describe data (Quantify & Visualise)

Overview of subjects

Version 1.7, 22. Oct. 2025



Simulate data (Design & Cross Check)

Model data (Predict & Understand)

References:
Barlow: R. J. Barlow - "Statistics"
Bevington: P. H. Bevington - "Data Reduction and Error Analysis"
Cowan: G. Cowan - "Statistical Data Analysis"
PDG: Particle Data Group 2020 Reviews
Slides: T. C. Petersen - "Applied Statistics 2025" course (W = Week)
Wiki: Good reference for ALL subjects (only specified when essential)
SciPy: [SciPy Statistical Functions](#) and (very brief) documentation

Test hypotheses on data (Reject & Decide)