

STAT/BIOS 688 – Statistical Consulting

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Schedule

Meeting	Date	Topics
1	Aug 23	Intro, Ground Rules, Consulting Process, Ideals (chaps 1, 2), Reports
2	Aug 30	Reports, Communication, Meetings, Asking Questions (ch 3, 4, 5)
3	Sep 6	Data management basics (Excel and REDCap)
4	Sep 13	Anatomy of a Study (Urquhart)
5	Sep 20	Negotiating (chap 6), Difficult Situations (chap 8)
6	Sep 27	Measurement in Clinical Trials (Senn and Julious)
7	Oct 4	Sample Size and Statistical Analysis Plan
8	Oct 11	Statistical Rules of Thumb
9	Oct 18	Paradoxes and Fallacies – “Small Data” problems
10	Oct 25	Design of Observational Studies (Rubin)
11	Nov 1	Reproducible Research (Stodden, Baggerley)
12	Nov 8	Graphics that are too cool for school
13	Nov 15	Guest Speaker
14	Nov 22	Special Session
15	Nov 29	Guest Speaker
16	Dec 6	Predictive Models (Harrell, Steyerberg)
XX	ALT	Likelihood principle, interim analyses (Berry)
XX	ALT	Bayesian analysis for translational research
XX	ALT	Split Plot and Repeated Measures
XX	ALT	Choosing Statistical Methods / Model selection
XX	ALT	Bayesian adaptive trials
XX	ALT	p-value Hacking