# Lecture notes

Here are my lecture notes, all of them, in chronological order, with the slideshows and the Quarto documents with the code that made the slides:

| Section | Slides | Code |
|---|---|---|
| STAC32 course outline | Slides | Code |
| STAC33 course outline | Slides | Code |
| STAD29 course outline | Slides | Code |
| Running R | Slides | Code |
| Reading data files | Slides | Code |
| Drawing graphs | Slides | Code |
| Numerical summaries | Slides | Code |
| Choosing things from dataframes | Slides | Code |
| Inference: one and two-sample t | Slides | Code |
| Bootstrap for sample mean | Slides | Code |
| Inference: power | Slides | Code |
| Inference: sign test | Slides | Code |
| Inference: normal quantile plot | Slides | Code |
| Inference: matched pairs | Slides | Code |
| Inference: Mood's median test | Slides | Code |
| Inference: analysis of variance | Slides | Code |
| Writing reports | Slides | Code |
| Tidying data | Slides | Code |
| Tidying data: extras | Slides | Code |

| Section | Slides | Code |
|---|---|---|
| When `pivot_wider` goes wrong | Slides | Code |
| Case study: windmill | Slides | Code |
| Case study: asphalt | Slides | Code |
| Regression with categorical variables | Slides | Code |
| Functions | Slides | Code |
| Vector and matrix algebra | Slides | Code |
| Bootstrap revisited | Slides | Code |
| Bayesian statistics with Stan | Slides | Code |
| Regression revisited | Slides | Code |
| Logistic regression | Slides | Code |
| Dates and Times | Slides | Code |
| Durations, intervals and periods | Slides | Code |
| Survival analysis | Slides | Code |
| ANOVA revisited | Slides | Code |
| Analysis of Covariance | Slides | Code |
| Multivariate ANOVA | Slides | Code |
| Repeated measures | Slides | Code |
| Discriminant analysis | Slides | Code |
| Cluster analysis | Slides | Code |
| Drawing maps | Slides | Code |
| Principal components | Slides | Code |
| Factor analysis | Slides | Code |
| Multiway frequency tables | Slides | Code |