



Spring 2017

## Week 13

# Reading and Practice

### Required Reading

- Course Notes Ch 23 and 24
- Pitman Sec 6.5 pages 451, 454-457

### Recommended Reading

- Everything we have covered thus far about prediction, other than the bivariate normal, is in exercises in Pitman's text: 6.2.16-18 and 6.4.23.

### Practice Problems

Pitman x.y.z means Exercise z of Section x.y and x.rev.z means Exercise z of the Review Exercises at the end of Chapter x.

- **Minimal Practice**
  - Pitman 4.2.8 (find the expectation and variance by conditioning)
  - Pitman 6.5.3, 6.rev.14

### Further Practice

- At the end of Section 22.3 we used conditioning to derive the expectation of the number of successes in the beta binomial setting. Now find the variance by conditioning.
- 6.5.2 (first study Example 2 on page 457), 6.rev.24