



Week 8

Reading and Practice

Spring 2017

Required Reading

- Course Notes Ch 15 through The Central Limit Theorem in Ch 16
- Pitman Section 3.3

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**
 - Problems done in Discussion Section
 - Use `stats.norm.cdf` to find normal approximations. Pitman 3.3.2, 3.3.3, 3.3.15a, 3.3.20, 3.6.7, 3.6.8, 6.4.4, 6.4.21
- **Further Practice**
 - 3.3.9, 3.3.18 (you should also be able to do this exactly using `stats.binom` methods), 3.4.22c (assume everything converges; just do the cases $k=1$ and $k=2$ which are also part of your homework), 3.4.23a-b, 3.4.24a, 3.6.9, 6.4.9 (look up the uniform in Sec 10.1 of the Course Notes), 6.4.12