MATH 4753 Exam 2 FALL 2017

24 October 2017 – this is the latest and supersedes all previous help.
Chapters 5-7
Exam to be held in class usual lecture time Friday Oct 27
50 min long
6 Questions

Subjects to study (NOT exhaustive)

- Change of variable formula
- Properties of densities
- Maximum Likelihood method – the algorithm shown in class (6 or 7 steps including change of perspective $L(\theta), l(\theta), l'(\theta)$ etc)
- CLT how to use – when to use – sums and means
- Bivariate -- $f(x, y)$ properties, finding $cov(x, y)$ see book for examples
- Calculating cis by hand, interpreting intervals
- Quantiles – what are they? How do you calculate in R?
- Prove cis (ONLY the ones I did in class)
- $E(L), V(L)$ etc