Tufts University
Department of Mathematics
Spring 2022

MA 166: Statistics

Homework 10 (v1.0) [1]
Assigned Monday 25 April 2022
Due Monday 2 May 2022 at 11:59 pm EDT.

1. Larsen & Marx, Problem 11.4.12, p. 569

2. Larsen & Marx, Problem 11.4.14, p. 569

3. Calculate $E(X^2Y^2)$ for a bivariate normal in terms of its five parameters μ_X, μ_Y, σ_X, σ_Y, and ρ.

4. Larsen & Marx, Problem 14.2.4, p. 644

5. Larsen & Marx, Problem 14.3.2, p. 650