

答案、学长笔记、辅导班课程，访问：W

一. (每小题10分, 共50分)

$$1. (1) P(A) = \frac{\binom{n+1}{m}}{\binom{m+n}{m}}$$

$$2. (2) E(X) = \frac{11}{3}, E(Y) = \frac{4}{3}$$

$$3. (4) \left[\frac{2 \sum_{i=1}^n x_i}{\chi^2(\frac{\alpha}{2})}, \frac{2 \sum_{i=1}^n x_i}{\chi^2(1-\frac{\alpha}{2})} \right], (5) \frac{(n-1) \bar{x}_n}{\sum_{i=1}^n x_i}$$

$$4. (6) 1 - (\frac{1}{2})^6, (7) \frac{1}{16}$$

$$5. (8) \frac{\sum_{i=1}^n x_i + a}{a + b + n}, (9) \hat{\theta}_M = \frac{\sum_{i=1}^n x_i + \sqrt{n}/2}{n + \sqrt{n}}$$