

Homework problems are to be done to develop understanding/mastery of concepts and computational speed/efficiency. Work them strategically and intentionally.

Additional practice problems can be found on Coaching Actuaries.

Ch 1 # 1-3, 8-10, 24-57

(for # 24-57, you probably won't be able to work all the problems, but you will benefit greatly from making sure you work all the "different" kinds of problems and identifying which problems are the "same" even though they seem different)

Ch 2 # 1a, 2, 3, 6, 7, 11, 15, 18, 19, 22-26, 30, 42, 43, 51-55, 59-66, 70, 71, 73, 75, 78, 80, 81, 85-87, 89, 91, 93, 99, 103, 105, 110

(you probably won't be able to work all the computational problems, but you will benefit greatly from making sure you work all the "different" kinds of problems and identifying which problems are the "same" even though they seem different)

Ch 3 # 4, 7, 9, 13, 15, 16, 17, 19, 21, 24, 25, 31, 33, 37, 39, 44, 45, 97, 101, 69, 71, 73, 76, 82, 104, 105, 107

(for # 105, 107: also compute all expected values, covariances, correlations, conditional expected values, marginal expected values (and anything else you can think of))

Ch 4 # 2, 3, 7, 9, 11, 19, 21, 23, 30, 31, 32, 33, 37, 46, 47, 49, 50, 51, 53

Ch 5 prove all the things we can prove for all the distributions

# 25, 32, 41, 44, 49, 52-54, 57, 59, 62-64, 66, 68-70, 75, 79, 80, 81, 83, 85-87

(don't use the statistical tables for any of the these, use the formulas and then also the calculator distributions)

Ch 6 prove all the things we can prove for all the distributions

# 1, 16, 24a, 31, 37, 43, 45, 46, 48, 49, 50, 51, 54-57, 59, 63, 64, 66, 68, 71, 73, 78, 79

(don't use the statistical tables for any of the these, use the formulas and then also the calculator distributions)

Ch 7 # 1-8, 50, 51, 10-12, 16-18, 20, 22, 23, 28, 32-35, 38, 52, 59, 60, 63, 65, 67, 69, 70

Ch 8 # 3, 46-48, 52-54, 58, 63, 66, 67, 69, 71, 73, 75, 79, 81, 88

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