Probability & Statistics

Elementary Statistics
By
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Ch 1 The Nature of Probability & Statistics
   page 2 — 16
Ex Q1 — Q10 (page 26)
chapter Quiz (page 69)
Q1, Q2, Q3, Q5 — Q9, Q11, Q22, Q23, Q24, Q25

Ch 2 Frequency Distributions & Graphs
   page 36 — 42
Just Brief introduction about frequency
Distribution and Terms
i.e Mid point, classes, Frequency, cumulative
  frequency, relative frequency etc
   page 51 — 59
Ex 2.2 (Page 61)
   Q1, Q4, Q6, Q10
   page 80 — 83
Ex 2.3
   Q16, Q17, Q18

Ch 3 Data Description
   page 104 — 118
Ex 3.1
Q1, Q2, Q3, Q9, Q12, Q13, Q14, Q17, Q21, Q28, Q29
Q30, Q31, Q32, Q33
   page 123 — 133, 136 — 137

Ex 3.2
   Q1 — Q8, Q19, Q20, Q22, Q24, Q27, Q41, Q42

page 142 — 153

Ex 3.3

$Q_1 - Q_{12}, Q_{18}, Q_{19}, Q_{20}, Q_{21}, Q_{22}, Q_{23}, Q_{24}$

page 163 — 165

Ex 3.4

Q_7, Q_8, Q_9, Q_{10}

Chapter Quiz (page 176)

Ch 4   Probability and Counting Rules
        page 182 — 195

Ex 4.1

$Q_1 - Q_{10}, Q_{17}, Q_{25}, Q_{26}, Q_{28}$

page 199 — 204

Ex 4.2

$Q_3 - Q_5, Q_{11} - Q_{13}, Q_{17}, Q_{18}, Q_{22}$

page 211 — 219

Ex 4.3

$Q_1, Q_6, Q_{22}, Q_{28} - Q_{33}, Q_{54}$

Chapter Quiz (page 246)

$Q_1 - Q_6, Q_{18} - Q_{22}$

ch 5 Discrete Probability Distribution
page 251 — 272

Ex 5.1   Q6 — Q18

Ex 5.2   Q1, 3, 5, 10

Ex 5.3   Q1, Q7, Q8, Q9, Q10, Q11, Q12, Q13

page 284 — 286

Q11 — Q15

Chapter Quiz (Page 295)

Q21, Q23, Q24, Q29

ch 6   Normal Distribution
page 300 — 324

Ex 6.1   Q1 to Q48

Ex 6.2   Q1 to Q8

page 331 — 336

(Only Concept to be used in Estimation

ch 7   Confidence Interval & Sample Size
page 356

Ex 7.1 (page 366)

Q5, Q8, Q9, Q10 — Q16

page 370 — 375

Ex 7.2

Q3, Q4, Q5, Q6, Q9, Q11, Q12, Q13, Q16, Q18

chapter Quiz (395)

Q1 — Q14

ch 8   Hypothesis Testing
page 400 — 412

P-value (Read and compare but not calculated)

In Testing procedure calculation would be Traditional method

Ex 8.1 Q_{12}, Q_{13}

Ex 8.2 Q_1, Q_4, Q_8, Q_9, Q_{11}, Q_{12}

Ch. 10   Regression & Correlation
          page 534 — 542

Ex 10.1 Q_1 — Q_5
           page 551 — 558
Also Give Co-efficient of determination
and its interpretation, a brief
concept

Ex 10.2 Q_1 — Q_{14}