

Weeks 5 – 6: Advanced Data Analysis Homework

Page numbers are from the 3rd edition

Chapter 5 (Difficulty levels are my own assessment)

Page	#	Subject	Format	Difficulty	Topic
125	5	Data	MC1	M	Simple probability
127	3	Data	MC1+	H	Mean

Chapter 6 (Difficulty levels are given by ETS)

Page	#	Subject	Format	Difficulty	Topic
159	13	Data	MC1	E	Mean / SD
162	10	Data	MC1	M	Compound probability
165	2	Data	QC	H	Skew principle
166	5	Data	QC	H	Normal distribution / skew principle
167	7	Data	MC1	H	Combinatorics
167	9	Alg / Data	MC1	H	Factoring / mean
169	13	Data	NE	H	Mean of freq dist
170	15	Data	MC1+	H	Range / data sufficiency
173	7	Data	MC1	H	Mean

Chapter 7 (Difficulty levels are my own assessment)

Page	#	Subject	Format	Difficulty	Topic
320	2	Data	NE	H	SD / IQR
320	5(a)	Data	NE	M	Percentiles / quartiles
320	5(b)	Data	NE	H	Percentiles
320	6	Data	NE	H	Counting
321	7	Data	NE	H	Counting
321	8	Data	NE	H	Counting
321	9	Data	NE	H	Counting
321	10	Data	NE	H	Counting
321	11	Data	NE	M	Counting
321	12	Data	NE	H	Counting
321	13	Data	NE	M	Empirical probability table
321	14	Data	NE	H	Abstract rules of probability
322	15	Data	NE	M	Compound probability
322	16	Data	NE	H	Normal distribution

Chapter 8 (Difficulty levels come from objective P+ scores)

Page	#	Subject	Format	Difficulty	Topic
355	6	Data	QC	M	Big / small numbers
355	9	Data	QC	M	Normal dist
356	11	Data	MC1	H	Counting
356	12	Data	NE	M	Overlapping sets
363	9	Data	QC	H	Median
364	13	Data	MC	H	Quartiles
367	21	Data	MC	H	Factorial / divisibility
368	24	Data	NE	H	Compound probability

Chapter 9 (Difficulty levels come from objective P+ scores)

Page	#	Subject	Format	Difficulty	Topic
481	4	Data	QC	M	Median / percentile
482	5	Data	QC	M	Mean / median of freq dist / histogram
483	9	Data	QC	M	Given average
484	12	Data	MC1	M	SD
484	14	Data	MC1+	M	Range
485	17	Data	MC1	M	Pie graphs / percent / degrees
486	18	Data	MC1	M	Graph / median
486	19	Data	MC1	M	Graph / probability
486	20	Data	MC1	M	Graph / ratio