DA-100: Analyzing Data with Microsoft Power BI

	Prepare the Data (20-25%)	Video Number
	Get data from different data sources	
1	identify and connect to a data source	Throughout Part 2
2	change data source settings	Throughout Part 2
3	select a shared dataset or create a local dataset	Throughout Part 2
4	select a storage mode	155
5	choose an appropriate query type	Throughout Part 2
6	identify query performance issues	165
7	use Microsoft Dataverse	162
8	use parameters	150
9	use or create a PBIDS file	90
10	use or create a data flow	283
11	connect to a dataset using the XMLA endpoint	285
	Profile the data	
12	identify data anomalies	82
13	examine data structures	Throughout Part 2
14	interrogate column properties	147
15	interrogate data statistics	148
	Clean, transform, and load the data	
16	resolve inconsistencies, unexpected or null values, and data quality issues	105 148
17	apply user-friendly value replacements	105
18	identify and create appropriate keys for joins	108
19	evaluate and transform column data types	105
20	apply data shape transformations to table structures	Throughout Part 2
21	combine queries	108 109 110 111
22	apply user-friendly naming conventions to columns and queries	100
23	leverage Advanced Editor to modify Power Query M code	149
24	configure data loading	164
25	resolve data import errors	140 Throughout Part 2

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	Model the Data (25-30%)	Video Number
	Design a data model	
26	define the tables	170
27	configure table and column properties	170
28	define quick measures	77
29	flatten out a parent-child hierarchy	206
30	define role-playing dimensions	232
31	define a relationship's cardinality and cross-filter direction	170 171
32	design the data model to meet performance requirements	236
33	resolve many-to-many relationships	233 234
34	create a common date table	231
35	define the appropriate level of data granularity	234
36	apply or change sensitivity labels	261
	Develop a data model	
37	apply cross-filter direction and security filtering	170 171
38	create calculated tables	230
39	create hierarchies	67
40	create calculated columns	Throughout Part 3
41	implement row-level security roles	250 251 252
42	implement object-level security	253
43	set up the Q&A feature	50 259
	Create measures by using DAX	
44	use DAX to build complex measures	Throughout Part 3
45	use CALCULATE to manipulate filters	212
46	implement Time Intelligence using DAX	Part 3 Level 7
47	replace numeric columns with measures	Throughout Part 3
48	use basic statistical functions to enhance data	Part 3 Level 2
49	create semi-additive measures	225
	Optimize model performance	
50	remove unnecessary rows and columns	99 100
51	identify poorly performing measures, relationships, and visuals	236
52	improve cardinality levels by changing data types	235
53	improve cardinality levels through summarization	235
54	create and manage aggregations	184
55	use Query Diagnostics	165

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	Visualize the Data (20-25%)	Video Number
	Create reports	
56	add visualization items to reports	Throughout Part 1
57	choose an appropriate visualization type	Throughout Part 1
58	format and configure visualizations	Throughout Part 1
59	import a custom visual	60
60	configure small multiples	45
61	configure conditional formatting	73
62	apply slicing and filtering	40 41 42 43
63	add an R or Python visual	89
64	add a Smart Narrative visual	84
65	configure the report page	Throughout Part 1
66	design and configure for accessibility	80
67	configure automatic page refresh	160
68	create a paginated report	91
69	create a PivotTable from a Power BI dataset in Excel	280
	Create dashboards	
70	set mobile view	255
71	manage tiles on a dashboard	Part 4 Section 4
72	configure data alerts	262
73	use the Q&A feature	259
74	add a dashboard theme	260
75	pin a live report page to a dashboard	258
	Enrich reports for usability	
76	configure bookmarks	46
77	create custom tooltips	51
78	edit and configure interactions between visuals	32
79	configure navigation for a report	49
80	apply sorting	44
81	configure Sync Slicers	42 43
82	use the selection pane	80
83	use drillthrough and cross filter	47
84	drilldown into data using interactive visuals	29
85	export report data	78
86	design reports for mobile devices	255

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	Analyze the Data (10-15%)	Video Number
	Enhance reports to expose insights	
87	apply conditional formatting	73
88	apply slicers and filters	41 42 43
89	perform top N analysis	41
90	explore statistical summary	Throughout Part 1
91	use the Q&A visual	50
92	add a Quick Insights result to a report	245
93	create reference lines by using Analytics pane	79
94	use the Play Axis feature of a visualization	56
95	personalize visuals	Throughout Part 1
	Perform advanced analysis	
96	identify outliers	81
97	conduct Time Series analysis	Throughout Part 1
98	use anomaly detection	82
99	use groupings and binnings	85
100	use the Key Influencers to explore dimensional variances	86
101	use the decomposition tree visual to break down a measure	87
102	apply AI Insights	166
	Deploy and Maintain Deliverables (10-15%)	
	Manage datasets	
103	configure a dataset scheduled refresh	267
104	configure row-level security group membership	252
105	provide access to datasets	249
106	configure incremental refresh settings	268 269
107	promote or certify Power BI datasets	264
108	identify downstream dataset dependencies	281
109	configure large dataset format	286
	Create and manage workspaces	
110	create and configure a workspace	Part 4 Section 6
111	recommend a development lifecycle strategy	279
112	assign workspace roles	271
113	configure and update a workspace app	273
114	publish, import, or update assets in a workspace	Throughout Part 4
115	apply sensitivity labels to workspace content	261
116	use deployment pipelines	262
117	configure subscriptions	257
118	promote or certify Power BI content	274