PL-300: Microsoft Power BI Data Analyst
As of 31 January 2023

	Prepare the data (25–30%)	Video Number
	Get data from data sources	
1	Identify and connect to a data source	Throughout Part 2
2	Change data source settings, including credentials, privacy levels, and data source locations	105
		171
3	Select a shared dataset, or create a local dataset	Throughout Part 2
4	Choose between DirectQuery, Import, and Dual mode	168
5	Change the value in a parameter	162
	Clean the data	
6	Evaluate data, including data statistics and column properties	91
		159
		160
7	Resolve inconsistencies, unexpected or null values, and data quality issues	114
		160
8	Resolve data import errors	152
		Throughout Part 2
	Transform and load the data	
9	Select appropriate column data types	114
10	Create and transform columns	Throughout Part 2
11	Transform a query	Throughout Part 2
12	Design a star schema that contains facts and dimensions	219
13	Identify when to use reference or duplicate queries and the resulting impact	107
14	Merge and append queries	117
		118
		120
		121
15	Identify and create appropriate keys for relationships	117
16	Configure data loading for queries	177

Part 1	Part 2	Part 3	Part 4
Visualizations	Get and Transform (M)	Modeling (DAX)	Power BI Service

	Model the data (25–30%)	Video Number
	Design and implement a data model	
17	Configure table and column properties	182
18	Implement role-playing dimensions	244
19	Define a relationship's cardinality and cross-filter direction	182
		183
20	Create a common date table	243
21	Implement row-level security roles	265
		266
		267
	Create model calculations by using DAX	
22	Create single aggregation measures	Part 3 Level 3
23	Use CALCULATE to manipulate filters	224
24	Implement time intelligence measures	Part 3 Level 7
25	Identify implicit measures and replace with explicit measures	Throughout Part 3
26	Use basic statistical functions	Part 3 Level 2
27	Create semi-additive measures	237
28	Create a measure by using quick measures	84
29	Create calculated tables	242
	Optimize model performance	
30	Improve performance by identifying and removing unnecessary rows and columns	108
		109
		178
31	Identify poorly performing measures, relationships, and visuals by using Performance Analyzer	245
		246
		247
		248
32	Improve performance by choosing optimal data types	249
33	Improve performance by summarizing data	249

Part 1	Part 2	Part 3	Part 4
Visualizations	Get and Transform (M)	Modeling (DAX)	Power BI Service

	Visualize and analyze the data (25–30%)	Video Number
	Create reports	
34	Identify and implement appropriate visualizations	Throughout Part 1
35	Format and configure visualizations	Throughout Part 1
36	Use a custom visual	67
37	Apply and customize a theme	34
		291
38	Configure conditional formatting	80
39	Apply slicing and filtering	44
		45
		46
		48
40	Configure the report page	Throughout Part 1
41	Use the Analyze in Excel feature	277
		300
42	Choose when to use a paginated report	95
	Enhance reports for usability and storytelling	
43	Configure bookmarks	51
44	Create custom tooltips	57
45	Edit and configure interactions between visuals	36
46	Configure navigation for a report	54
		58
47	Apply sorting	49
48	Configure sync slicers	46
		48
49	Group and layer visuals by using the Selection pane	52
50	Drill down into data using interactive visuals	33
51	Configure export of report content, and perform an export	85
		300
52	Design reports for mobile devices	269
53	Incorporate the Q&A feature in a report	56
		273

Part 1	Part 2	Part 3	Part 4
Visualizations	Get and Transform (M)	Modeling (DAX)	Power BI Service

	Identify patterns and trends	Video Number
54	Use the Analyze feature in Power BI	95
55	Use grouping, binning, and clustering	89
		91
56	Use AI visuals	90
		94
57	Use reference lines, error bars, and forecasting	86
		87
58	Detect outliers and anomalies	88
		90
59	Create and share scorecards and metrics	294
		295
		296
	Deploy and maintain assets (15–20%)	
	Create and manage workspaces and assets	
60	Create and configure a workspace	Part 4 Section 6
61	Assign workspace roles	286
62	Configure and update a workspace app	288
63	Publish, import, or update assets in a workspace	290
64	Create dashboards	Part 4 Section 4
65	Choose a distribution method	Part 4 Section 6
66	Apply sensitivity labels to workspace content	275
67	Configure subscriptions and data alerts	271
		276
68	Promote or certify Power BI content	289
69	Manage global options for files	Throughout Part 4
	Manage datasets	
70	Identify when a gateway is required	280
71	Configure a dataset scheduled refresh	282
72	Configure row-level security group membership	267
73	Provide access to datasets	264

Part 1 Visualizations	Part 2 Get and Transform (M)	Part 3 Modeling (DAX)	Part 4 Power BI Service