

## **PL-300: Microsoft Power BI Data Analyst**

As of 31 January 2023, with minor changes as of 22 August 2023 and 27 October 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	106
		173
3	Select a shared dataset, or create a local dataset	Throughout Part 2
4	Choose between DirectQuery, Import, and Dual mode	170
5	Change the value in a parameter	163
	Transform and load the data	
6	Select appropriate column data types	115
7	Create and transform columns	Throughout Part 2
8	Transform a query	Throughout Part 2
9	Design a star schema that contains facts and dimensions	221
10	Identify when to use reference or duplicate queries and the resulting impact	108
11	Merge and append queries	118
		119
		121
		122
12	Identify and create appropriate keys for relationships	118
13	Configure data loading for queries	175
	Clean the data	
14	Evaluate data, including data statistics and column properties	93
		160
		161
15	Resolve inconsistencies, unexpected or null values, and data quality issues	115
		134
		161
16	Resolve data import errors	153
		Throughout Part 2

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	Model the data (25–30%)	Video Number
	Design and implement a data model	
17	Configure table and column properties	184
18	Implement role-playing dimensions	246
19	Define a relationship's cardinality and cross-filter direction	184
		185
20	Create a common date table	245
21	Implement row-level security roles	269
		270
		271
	Create model calculations by using DAX	
22	Create single aggregation measures	Part 3 Level 3
23	Use CALCULATE to manipulate filters	226
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	239
28	Create a measure by using quick measures	85
29	Create calculated tables	244
	Optimize model performance	
30	Improve performance by identifying and removing unnecessary rows and columns	109
		110
		180
31	Identify poorly performing measures, relationships, and visuals by using Performance Analyzer	247
		248
		249
32	Improve performance by choosing optimal data types	250
33	Improve performance by summarizing data	251

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	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
		295
38	Configure conditional formatting	81
39	Apply slicing and filtering	44
		45
		46
		48
40	Configure the report page	Throughout Part 1
41	Use the Analyze in Excel feature	281
		304
42	Choose when to use a paginated report	97
	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	86
		304
52	Design reports for mobile devices	273

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	Identify patterns and trends	Video Number
53	Use the Analyze feature in Power BI	97
54	Use grouping, binning, and clustering	90
		93
55	Use AI visuals	91, 92
		94, 95
56	Incorporate the Q&A feature in a report	56
		277
57	Use reference lines, error bars, and forecasting	87
		88
58	Detect outliers and anomalies	89
		91
59	Create and share scorecards and metrics	298
		299
		300
	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	290
62	Configure and update a workspace app	292
63	Publish, import, or update assets in a workspace	294
64	Create dashboards	Part 4 Section 4
65	Choose a distribution method	Part 4 Section 6
66	Apply sensitivity labels to workspace content	279
67	Configure subscriptions and data alerts	275
		280
68	Promote or certify Power BI content	293
69	Manage global options for files	Throughout Part 4
	Manage datasets	
70	Identify when a gateway is required	284
71	Configure a dataset scheduled refresh	286
72	Configure row-level security group membership	271
73	Provide access to datasets	266