

PL-300: Microsoft Power BI Data Analyst

As of 21 October 2024, with a minor updates as of 21 April 2025

	Prepare the data (25–30%)	Video number
	Get or connect to data	
1	Identify and connect to data sources or a shared semantic model	Throughout Part 2
2	Change data source settings, including credentials and privacy levels	108
		176
3	Choose between DirectQuery and Import	173
4	Create and modify parameters	166
	Profile and clean the data	
5	Evaluate data, including data statistics and column properties	94
		163
		164
6	Resolve inconsistencies, unexpected or null values, and data quality issues	118
		137
		164
7	Resolve data import errors	156
		Throughout Part 2
	Transform and load the data	
8	Select appropriate column data types	118
9	Create and transform columns	Throughout Part 2
10	Group and aggregate rows	Part 2 Level 1
11	Pivot, unpivot, and transpose data	Part 2 Level 3
12	Convert semi-structured data to a table	Throughout Part 2
13	Create fact tables and dimension tables	224
14	Identify when to use reference or duplicate queries and the resulting impact	110
15	Merge and append queries	121
		122
		124
		125
16	Identify and create appropriate keys for relationships	121
17	Configure data loading for queries	179

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	Model the data (25–30%)	Video number
	Design and implement a data model	
18	Configure table and column properties	187
19	Implement role-playing dimensions	255
20	Define a relationship's cardinality and cross-filter direction	187
		188
21	Create a common date table	248
22	Identify use cases for calculated columns and calculated tables	Part 3 Level 2
		247
	Create model calculations by using DAX	
23	Create single aggregation measures	Part 3 Level 3
24	Use the CALCULATE function	229
25	Implement time intelligence measures	Part 3 Level 7
		249
26	Use basic statistical functions	Part 3 Level 2
27	Create semi-additive measures	242
28	Create a measure by using quick measures	86
29	Create calculated tables or columns	247
30	Create calculation groups	250
		251
	Optimize model performance	
31	Improve performance by identifying and removing unnecessary rows and columns	111
		112
		183
32	Identify poorly performing measures, relationships, and visuals by using Performance Analyzer and DAX query view	256
		257
		259
		260
33	Improve performance by reducing granularity	258

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	Visualize and analyze the data (25–30%)	Video number
	Create reports	
34	Select an appropriate visual	Throughout Part 1
35	Format and configure visuals	Throughout Part 1
36	Apply and customize a theme	35
		99
		285
37	Apply conditional formatting	82
38	Apply slicing and filtering	45
		46
		47
		49
39	Configure the report page	Throughout Part 1
40	Use the Analyze in Excel feature	288
		310
41	Choose when to use a paginated report	100
42	Create visual calculations by using DAX	252
		253
		254
	Enhance reports for usability and storytelling	
43	Configure bookmarks	52
44	Create custom tooltips	58
45	Edit and configure interactions between visuals	37
46	Configure navigation for a report	55
		59
47	Apply sorting to visuals	50
48	Configure sync slicers	47
		49
49	Group and layer visuals by using the Selection pane	53
50	Configure drill through navigation	34
51	Configure export settings	87
		310
52	Design reports for mobile devices	281
53	Enable personalized visuals in a report	304
54	Design and configure Power BI reports for accessibility	98
55	Configure automatic page refresh	177

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	Identify patterns and trends	Video number
56	Use the Analyze feature in Power BI	100
		288
		310
57	Use grouping, binning, and clustering	91
		94
58	Use AI visuals	92
		93
		95
		97
59	Use reference lines, error bars, and forecasting	88
		89
60	Detect outliers and anomalies	90
		92
	Manage and secure Power BI (15–20%)	
	Create and manage workspaces and assets	
61	Create and configure a workspace	Part 4 Section 6
62	Configure and update a workspace app	299
		300
63	Publish, import, or update items in a workspace	302
		303
64	Create dashboards	Part 4 Section 4
65	Choose a distribution method	Part 4 Section 6
66	Configure subscriptions and data alerts	282
		287
67	Promote or certify Power BI content	290
		301
68	Identify when a gateway is required	292
69	Configure a semantic model scheduled refresh	293
	Secure and govern Power BI items	
70	Assign workspace roles	297
71	Configure item-level access	273
72	Configure access to semantic models	273
73	Implement row-level security roles	276
		277
		278
74	Configure row-level security group membership	278
75	Apply sensitivity labels	286