index

A
AAD  See Azure Active Directory access token 502
ACE OLE DB provider 236
active relationships 250
ADAL 471
Admin Portal 69, 378
aggregation hits 188
aggregation table 186
aggregations 185
AI Transforms 369
alerts 21, 109, 113, 131
in Power BI Mobile 136
ALL function 274, 287
ALLEXCEPT function 274
ALLNOBLANKROW function 274
Always On 167
Analysis Services
  connecting to 66, 155
  importing data from 177
  integrating with Power BI 443
analytical features 259
Analytics tab 79
Analyze in Excel 51, 104, 383, 410
  for drilling through 316
Android native app 131
animation 526
annotations 25, 143
anomaly detection 347
app owns data 506
application registration 471
apps
  creating 396
  navigation 396
  removing 399
AppSource 35, 37, 62, 79, 308
ArcGIS 85, 383
Area Chart 81
attributes 148
auditing 384
auto recovery 162
AutoComplete 273
Automated Machine Learning  See AutoML
AutoML 24
  evaluating 359
  training 358
  auto-scale 419
AVERAGEX function 273
Azure Active Directory 29, 46
  external users 402
Azure Analysis Services 53
Azure Cognitive Services 368
Azure Data Catalog 11
Azure Data Factory 11
Azure DevOps 368
Azure Event Hubs 456
Azure Kubernetes Service 367
Azure Machine Learning 8, 12, 36, 363
Azure Management Portal 473
Azure Map 84
Azure Private Link 384
Azure SQL Data Warehouse 31
Azure SQL Database 53
Azure Stream Analytics 11, 456, 457
Azure Synapse Analytics 53
Azure Table Storage 11
Azure Traffic Manager 29
AzureML 363, 368
B
B2B 401
B2C 401
Bar Chart 81, 94
barcodes 134
Basic Map 85
BI Center of Excellence 413
BI pro 35
bidirectional relationships 153
Binary data type 235
binary prediction 355
binning 320
BISM 439
bitness considerations 158
bookmarks 71, 331
  personal 101
Bookmarks pane 164, 331, 333
branding 380
Build permission 410
Bullet Chart 91
business intelligence 1
business user 32
CALCULATE function 274, 275, 287
calculated columns
  implementing 278
  introducing 267
  storage 267
  when to use 268
calculated tables 277
CALCULATETABLE function 274
CALENDAR function 150
CALENDARAUTO function 150
calendars 386
Canvas 37
Canvas apps 335
capacity 425
capacity Assignment 425
capacity nodes 416
capacity settings 425
capacity utilization 426
capacity workloads 426
CDM folders 224
certified datasets 382, 408
certified entities 221
driving in BI Mobile 51
cloud services 52
Clustered Bar Chart 81
Clustered Column Chart 81
clustering 343
collaborative features 386
column Chart 81, 94, 96
column from examples 196, 205
columns
  hiding 237
  referencing in DAX 272
  removing 237
  renaming 237
  resizing 236
  sorting 238
columnstore index 7
columnstore indexes 154
Common Data Model 219, 335
composite models 34, 181
compute target 365
computed entity 222
conditional access 365
conditional formatting 376
calculated columns 274, 275, 287
and row context 267
implementing 278
introducing 267
storage 267
when to use 268
calculated tables 277
CALCULATETABLE function 274
CALENDAR function 150
CALENDARAUTO function 150
calendars 386
Canvas 37
Canvas apps 335
capacity 425
capacity Assignment 425
capacity nodes 416
capacity settings 425
capacity utilization 426
capacity workloads 426
CDM folders 224
certified datasets 382, 408
certified entities 221
driving in BI Mobile 51
cloud services 52
Clustered Bar Chart 81
Clustered Column Chart 81
clustering 343
collaborative features 386
column Chart 81, 94, 96
column from examples 196, 205
columns
  hiding 237
  referencing in DAX 272
  removing 237
  renaming 237
  resizing 236
  sorting 238
columnstore index 7
columnstore indexes 154
Common Data Model 219, 335
composite models 34, 181
compute target 365
computed entity 222
conditional access 365
conditional formatting 376
linguistic schema 163, 330
linked entity 222
links 321
live connections 18, 31, 48, 53, 65
locking objects 164
logo 305
lookup tables 149
LOOKUPVALUE function 274, 275, 292, 300

M
M 198
M language 38, 194
mail-enabled groups 377
Many-to-Many cardinality 249
many-to-many relationships 293
Map 309
Map Shaper 85
Map visual 309
maps 84
Marketo 19
Master Data Services 11
Matrix visual 84, 96, 308
MAX function 273
MAXX function 273
MDX 177, 440
measures
 implicit vs. explicit 269
 introducing 269
 vs. calculated columns 269
 when to use? 270
Microsoft Data Platform 11
Microsoft Store 158
Microsoft Teams 52, 70, 73, 126
Microsoft.Identity.Web 471
MIN function 273
MINX function 273
ML Designer 363
mobile reports 141
Model View 255
Model-driven apps 335
MOLAP 440
MSAL 471
Multi Row Card 87
Multidimensional 439
multidimensional cubes 41
Multidimensional Expressions 440
multifactor authentication 375
multi-geo support 24
My Workspace 48, 386

N
naming conventions 231
narratives 330
natural questions 120
navigation links 262
Navigator window 168
Node.js 519
NoSQL 11
Notification center 51, 132

O
OAuth
 for native clients 470
 for web apps 469
 implementing 476
 parties 469
 three-leg flow 469
 understanding 468
OAUTH2 37
ODBC 166
ODS 439
Office 365 9, 44
Office 365 Application Launcher 50
Office 365 groups 377
On premises Gateway 65, 155
and SSAS 444
configuring 405
 mapping users 445
OneDrive 54, 65, 102
OneDrive for Business 180
one-to-many cardinality 151
one-to-one cardinality 151
operators 272
Oracle 166
organization visuals 380
organizational apps 20, 48, 134, 382
 rights 397
 understanding 395
organizational BI 3
 challenges 42
 classic architecture 40
 classic solution 438
 vs. personal BI 442
outliers 98

P
page render 417, 484
page-level filter 80
paginated reports 23, 122, 427, 448
pandas 353
PARALLELPERIOD function 277
parent-child relationships 291
partner showcase 165
password policy 375
PATH function 292
PATHCONTAINS function 300
PATHITEM function 292
pbiviz tool 519
pbix file 18
PDF 69
Performance analyzer 164, 289
Performance inspector 114
persistent filters 57
personal gateway
 configuring 393
personalizing visuals 100
phone layout 139, 163
Phone View 115
phone-optimized view 137
Pie Chart 83, 137, 310
pinning report items 433
pinning reports 119
pinning visualizations 119
pipeline 365
Power Apps 89
introduced 12
Power Apps visual 335
Power Automate 12
Power BI
 browser support 129
 data security 30
definition of 10
problems it solves 9
product line 5
role in Microsoft BI 12
signing up 44
Power BI admin 379
Power BI dataflows 224
Power BI Desktop
 availability 158
 compared with Excel 17
defined 16
downloading 51
features 16
for Power BI Report Server 432
importing from Excel 18
introduced 4
updating 162
Power BI Developer Center 37, 466
Power BI editions 51
Power BI Embedded
capacities 425
features 26
generating 483
introduced 4
licensing 27
Power BI for Office 365 9
Power BI Free 13
Power BI Mobile 33
defined 24
downloading 51
features 25
introduced 4
Power BI portal 46
Power BI Premium 14
calculator 14
Gen2 418
introduced 4
managing 424
understanding 22, 415
Power BI Pro 14
Power BI Report Server 67
in Power BI Mobile 133
introduced 4
licensing 431
pinning items 122
understanding 27, 429
Power BI Service
architecture 29
defined 4
Power BI visuals gallery 530
Power Map 9
Power Pivot 6, 17
Power Platform 12
Power Query 8, 16, 192
Power View 7, 17
Power Virtual Agents 12
PowerApps 38
integrating with Power BI 335
understanding 334
PowerShell 479
PPU See Premium per User precision 359
predictive analytics 3, 340
predictive experiment 3
predictive features 3
predictive solutions 36
premium capacity 22, 416
Premium per User 14
Premium Per User 418
premium workspaces 420
prescriptive analytics 3
preview features 162
primary key 151, 249
probability threshold 359
protecting data 412
publish to web 69, 382
publishing content 395
PubNub 453
push datasets 466
Python 8, 88, 195, 353
Q
Q&A 20, 51, 135, 163, 328
disabling 115
embedding 492
for creating dashboards 60, 120
in Power BI Desktop 162
review questions 384
tuning 121, 330
working with 125
Q&A Explorer 329
QR Code
Quick Response Code 111
quantitative scaling 525
queries
appending 210
defined 154
disabling load 194
disabling refresh 194
merging 207
query caching 422
query diagnostics 198
Query Editor 169, 170
understanding 192
query folding 201, 246
query functions 211
query parameters 194, 245
creating 216
dynamic 216
query reduction 162
Quick Insights 55, 109, 111
adding to dashboard 121
in Power BI Desktop 340
working with 98
quick measures 34, 285
Quick Response Code 111
quick styles 84
R
R 8, 88, 349
data shaping with 195
ranking functions 277
RANKX function 282
Reading View 57, 68
real-time BI 36, 452
real-time dashboards 458
real-time endpoint 366
real-time tile 454
recent sources 162, 241
recents 47, 134
refresh plan 437
refresh policy 246
refreshing data 53, 54, 242
regression 356
RELATED function 274, 281
related insights 112
RELATEDTABLE function 274, 281
relationship cardinality 254
relationships
auto-detecting 251
auto-discovering 201
cardinality 151
changing to inactive 257
creating in Data View 253
creating in Relationships View 257
detecting 151
introduced 150
limitations 249
managing 255, 257
redundant paths 151
rules 249
strong and weak 184
understanding 248
reply URL 470
Report Builder 12, 450
report pages 68
Report View 159
Report Viewer control 430
Reporting Services reports 67
reports
actions 56
API 466
copying 69
defined 56
distributing 58
filtering by URL 497
importing 58
options for creating 58
pinning 70
types of 67
working with 93
ReportServer database 432
ReportServerTempDB 432
resharing dashboards 117
REST 461
REST APIs 37
enabling 384
testing 466
Revolution Analytics 350
Ribbon Chart 81
RLS 191
ROC curve 360
ROLAP 440
role membership 296
role-playing relationships 249, 257
implementing 290
roles
creating 297
testing 300
root cause analysis 97
row context 267
row labels 330
row-level security 163, 294, 298, 391
RStudio 350
S
Salesforce 19, 32, 225
SAMEPERIODLASTYEAR 277
samples 49, 165
scalability 442
Scatter Chart 82, 137
scheduled refresh 395
scoring 356
seasonality 98, 342
security groups 378
security policies 300
See Records 77
segmentation 343, 345
SELECTEDVALUE function 218
Selection pane 164, 332
self-service BI 1
  benefits 43
  cautions 43
  understanding 40
  vs. organizational BI 442
self-service data models 34
semantic model 439
semi-additive measures 294
sensitivity labels 59, 115, 412
sentiment analysis 456
service principal 506
Shape charts 83
Shape Map 85
ShapeMap 84
shapes 78
shared capacity 22, 416
shared datasets 410
SharePoint Online 54, 65, 102
SharePoint Server 7
sharing
  items 13, 33
  options 20
    with Power BI Mobile 25
sharing options 399
show value as 285
Single Card 87, 307
Siri shortcuts 136
Sketch Tool 132
Slicer 87, 119
slicers
  synchronizing 311
    with dates 310
small multiples 307
smart narratives 89
snapping to grid 77
Snowflake 383
snowflake schema 149
sorting 84
sorting data
  in Data View 232
Spark 31, 53
sparkline 523
Spotlight 333
spreadmarts 43
SQL Server Data Tools 450
SQL Server Mobile Report Publisher 433
SQL Server Profiler 447
SSO 406, 407
SSRS 179
  importing from reports 179
KPIs 141
  limitations for Power BI 433
Stacked Bar Chart 81, 306
Stacked Column Chart 81
star schema 148
STDEV.P function 274
STDEV.S function 274
STDEVX.P function 274
STDEVX.S function 274
steady share 98
stepped layout 314
storage limits 51
stored credentials 436
stored procedures 167
streaming API 452
streaming datasets 452
subscriptions 21, 70, 99, 115
  creating 91
  enabling 382
  limitations 93
SUM function 273, 294
SUMX function 273, 281, 282
SVG 37
Sync slicers 164
synonyms 121, 257
Synoptic Panel 326
T
  table columns 232
  table filters 295
  Table visual 84, 308
  tables
    importing 241
    renaming 238
    understanding 231
  Tabular 439
    role in Power BI 30
  Tabular models 41
  team BI 2, 35
  template apps 19, 61, 383, 384
  templates 160
  tenant 46
  tenant settings 381
  text boxes 77
  Text data type 235
  themes 163
  tile flow 59, 108
  tiles
    embedding 488
    refreshing 115
    understanding 108
    working with 124
  Time data type 235
  time dimension 261
  time intelligence functions 276
time series forecasting 341, 351
time series insights 98
tooltip page 318
tooltips 317
  custom visuals 528
top N filtering 72
TopoJSON 85
TOTALYTD function 288
transactional data 202
Treemap 83, 97
TRUE/FALSE data type 235
Twitter 456
type definitions 520
TypeScript 37, 516
U
Universal Principal Name 445
unknown member 255
unmanaged tenant 373
unpivoting columns 204
URL 114
usage metrics 115, 379
user owns data 498
USERELATIONSHIP 274, 291
USERNAME function 299
USERPRINCIPALNAME 299, 403
V
VALUES function 274
VAR.P function 274
VAR.S function 274
VART.P function 274
VART.S function 274
v-cores 416
VertiPaq 153
Viewer role 391
viewers 421
Visio diagrams 327
visual header 57, 72
visual Interactions 78
VisualInitOptions 524
visualizations
  best practices 81
  formatting 79
  types of 81
Visualizations pane 78
visual-level filter 80
visually
  copying 382
W
web application proxy 433
Web URL 325
Web URL category 322
Web view 115
WebGL 37
whoami 445
Whole Number data type 235
Windows credentials 168
Windows native app 131
workspaces 47
and Power BI Embedded 486
block creation 381
bulk assignments 428
comparing v1 and v2 387
creating 388
for Power BI Embedded 487
individual assignments 428
introduced 20
limitations 388
list of 380
moving to capacity 427
understanding 386
writeback 336
XMLA endpoint 23, 247
xVelocity 7, 153, 440
Y
YTD calculations 288
Increase your BI IQ!

Prologika offer consulting, implementation, and training services that deliver immediate results and great business value. Check our services, case studies, and training catalog at https://prologika.com and contact us today to improve and modernize your data analytics at info@prologika.com.

Currently, we offer these training courses (learn more at https://prologika.com/training):