



AI Data Analytics with Power BI Curriculum



AI Data Analytics with Power BI Curriculum

Module 1: Data Preparation and Foundation Building

Topics:

- Data management lifecycle in Power BI
- Importing data from multiple sources (Excel, web, cloud)
- Data cleansing, validation, and transformation using Power Query
- Data governance best practices: quality, security, and compliance
- Merging and appending datasets effectively

Module 2: Data Modelling, Analysis, and AI-Powered Insights

Topics:

- Core statistical concepts for business analytics
- Building data models using relationships and schemas
- Creating calculated columns and measures using DAX
- Leveraging Power BI AI visuals:
 - Smart Narratives
 - Q&A Visual
 - Key Influencers
 - Decomposition Tree
- Identifying trends, drivers, and anomalies using AI
- Hypothesis generation and analytical reasoning

Module 3: Reporting, Sharing, and Practical Application

Topics:

- Designing interactive dashboards and reports
- Visual storytelling using charts, KPIs, and layouts
- Highlighting trends, risks, and business implications
- Publishing reports to Power BI Service
- Configuring dashboards and scheduled refreshes
- Capstone project using a real-world business scenario

upGrad KnowledgeHut is a global ed-tech company, equipping the world's workforce with the skills of the future via immersive learning. A trusted skills transformation partner to over 4,500 organizations across 100+ countries, KnowledgeHut is the skills solutions provider that organizations and individuals count on to innovate faster and create progress.

500,000+
Professionals
trained

250+
Workshops
every month

300+
Agile transformations
facilitated



Headquarters (US): +1-469-442-0620
americas@knowledgehut.com



India: +91-80-41520045, Toll-Free 1800-121-9232
india@knowledgehut.com



UK: +44-2033320846
europe@knowledgehut.com



Singapore: +65-315-83941
apac@knowledgehut.com



Malaysia: +601548770914
apac@knowledgehut.com



Canada: +1-613-707-0763
americas@knowledgehut.com



New Zealand: +64-36694791
apac@knowledgehut.com



Australia: +61-290995641
apac@knowledgehut.com



UAE: Toll-Free 8000180860
mea@knowledgehut.com

Get in touch with us!

www.knowledgehut.com
kh.reachus@upgrad.com

upGrad
KnowledgeHut