

Big Data & Analytics Track Specialization

Course Module - Changing data with Watson Analytics

Program Audience: Undergraduate Students, Graduate Students
Course Mode : Lecture, Tutorial, Practical
Course duration 32 hours

About the Course

Learn the basics of **Watson Analytics**, a smart data discovery service available on the cloud.

However, analyzing data has no value if you cannot tell a story of insight out of it. This is where tools like Watson Analytics can take your analysis to the next level. Watson Analytics offers you the benefits of advanced analytics without the complexity.

- Use Excel to get you started and put you in the right analytical mindset.
- Learn, in a few hours, how to perform data exploration, predictive analytics and effortless dashboard and infographic creation.
- Get answers and new insights to make confident decisions in minutes—all on your own!

Course Syllabus

Module 1 - Overview of Watson Analytics

- Identify Watson Analytics components and the user interface (Overview)

Module 2 - Data

- Identify data structure limitations and requirements
- Upload data from flat files
- Shape data before uploading
- Upload data from Twitter

Module 3 - Work with data connections

- Create a secure connection
- Create a secure gateway

Module 4 - Refine data

- Join data sets
- Add a calculation to the data set
- Add a data group to the data set
- Add a hierarchy

Module 5 - Discover patterns, relationships, and predictive insights

- Change column headings
- Sort data
- Perform analysis using natural language questions
- Edit targets in a predictive analysis
- Navigate the spiral in a predictive analysis
- View decision rules and the decision tree

Module 6 - Provide added value to the analysis

- Share the analysis through email

Module 7 - Assemble a display

- Change visualization types in a display
- Modify properties of a display
- Filter visualizations in a display

Module 8 - Control access

- Share assets and set access permissions