





Google Developers  
Authorized Training Partner

This class is intended for individuals who want to step into becoming a data scientist by learning the basic concepts of data science. After participating in the class, students are expected to be able to know, understand, and study the basics of data science well.



#### Materials studied:

- ◊ The Power of Data: Shows a wide range of data starting from Getting Acquainted with Data, Types of Data, Determining Decisions with Data, to data-related exercises to hone understanding of the material. (100 minutes)
- ◊ Fundamental Data Science: Introducing the basic science of data science starting from knowing the term data science which contains descriptions and interesting facts about data science, data science trends, to the skills that a data scientist must have. (90 minutes)
- ◊ Exploring Data Analysis: Discussing data analysis starting from the introduction of terms, cycles, to stages in the data analysis process itself. In addition, there are case studies presented to improve understanding of the material. (140 minutes)
- ◊ Data Science Supporting Technologies and Tools: Explore technologies and tools used by data science such as SQL, NoSQL, Excel/Spreadsheet, SPSS, Tableau, and a comparison between Python and R. (70 minutes)
- ◊ Machine Learning for Data Science: Introducing the use of machine learning, the reasons for machine learning in data science, to examples of the application of machine learning in the real world. (90 minutes)
- ◊ Start Looking for Opportunities - Exploration to Creating a Portfolio: Show data science opportunities in the world, ranging from career opportunities in the data world, tips and tricks to become a data scientist, to practice creating a data scientist portfolio. (85 minutes)



Learning Evaluation:

- End-of-class exam

The total hours required to complete this class, from class preparation to study evaluation is 11 hours.