Admission Requirements

1. On-line Application Form and Specific Requirements Form
2. Official Transcript: Sealed and taken from Student Resources / Affairs of the applicant's university indicating the courses and grades taken.
3. Two letters of Recommendation
4. Statement of Purpose
5. Up-to-date resume
6. One recently taken photograph
7. Diploma (Applicants should have an undergraduate or graduate diploma in order to be admitted to a graduate program)
8. A valid English Proficiency Test Score
   - TOEFL: Internet-based test (IBT): Min. score 78
     Computer-based test (CBT): Min. score 210
     Paper-based test (PBT): Min. score 547
   - IELTS: Min. score 5.5
   - KPDS, ÜDS, YDS, e-YDS: Min. score 65
   - ELAE: Candidates must obtain a satisfactory score in ELAE (Sabancı University English Language Assessment Exam)

Test date must be within:
2 years (for TOEFL and IELTS)
3 years (for KPDS, ÜDS, YDS and e-YDS) of the candidate's application date to the program.

Application Deadlines

For Early Application:
Last day of Application: June 3rd, 2016
Interviews: June 2016
English Proficiency Exam (ELAE): June 16th, 2016

For Final Application:
Last day of Application: August 19th, 2016
Interviews: August 2016

University Enrollment: September 8th-9th, 2016
First Day of Class and Orientation: October 1st, 2016

For more information:
Contact us at da@sabanciuniv.edu or call us at (216) 483 9700
Web: da.sabanciuniv.edu
Overview

Big data is paving the way to empower businesses to make better decisions. With the amount of digital data increasing at an enormous rate, a more rigorous research is carried out in an effort to extract value from the massive data sets to turn them into smarter decisions for improving business results. Companies are increasingly turning to data analytics for a more competitive edge in terms of productivity, profitability, safety and sustainable manufacturing processes for better products and better services. This emerging field of Data Analytics holds the key to unleashing that potential.

Objective

Data Analytics is considered to be a relatively new field which integrates state-of-the-art computational and statistical techniques to extract business value from a rapidly expanding volume of data. Many consulting firms claim that Data Analytics will be one of the key integrators to extract business value from a rapidly expanding volume of data. Companies need trained workforce skilled in Data Analytics, who are equipped to collect and clean, mine, interpret and present data for business use. Professionals holding a degree in Data Analytics will be well positioned to help their organizations gain a competitive advantage. This program is designed to help our participants develop the skill set needed for creating and maintaining the added competitive edge that innovative companies are trying to establish.

Scope of the Program

This degree study incorporates courses in a wide variety of areas: Introduction to Data Analytics, Applied Statistics, Data Modeling and Data Processing, Modeling and Optimization, Big Data Processing using Hadoop, Machine Learning, Data Mining, Social Network Analysis, Exploratory Data Analysis and Visualization, Data Privacy and Security, Information Law and Data Ethics, Project Management and Business Communication, Capstone Project. The interdisciplinary education at Sabancı University is a valuable asset for the candidates. Some of the courses and seminars will be given by senior executives, managers and leaders from related business areas to improve the knowledge-base and practical skills the participants need. Faculty and graduate students conduct research in areas including data management, data processing, data mining, machine learning, NLP, social network analysis, operations research, decision modeling and data visualization.

Program Structure

Professional Master’s Degree in Data Analytics is a 30-credit program that can be completed in one academic year. The courses are distributed across three consecutive semesters (Fall, Spring and Summer), each of which lasts 14 weeks. Students take 10 courses (excluding the Term Project) in total from various areas. The Term Project is a non-credit course.

Skills Acquired

Diagnose, understand, measure and evaluate data to enable better decision making within the organization. Define and apply appropriate methodologies for complex business problems. Interpret findings, present and communicate the results.

Who Should Apply?

- Graduates of disciplines with a solid quantitative background (e.g. computer science, engineering, mathematics, physics, statistics, economics and other fields with a quantitative focus).
- All professionals who have ample work experience in a data-analytics-related area and are seeking in-depth training in Big Data Analysis.

Career Opportunities

Graduates can find work as data analysts, data managers, data modelers and data scientists in the financial institutions, healthcare industry, insurance industry, telecommunications industry, marketing and media firms, retail industry and government agencies.

Curriculum

The curriculum will help you develop skills required in all aspects of data analytics, with flexibility to allow different interests. Courses offered during each semester are listed below.

FALL

DA901 Introduction Data Analytics
DA903 Applied Statistics
DA905 Introduction to Data Modeling and Processing
DA907 Modeling and Optimization

SPRING

DA912 Big Data Processing using Hadoop (Elective)
DA914 Machine Learning (Elective)
DA910 Data Mining (Elective)
DA916 Social Network Analysis (Elective)
DA918 Exploratory Data Analysis and Visualization (Elective)
DA920 Data Privacy and Security (Elective)

SUMMER

DA922 Information Law and Data Ethics (Elective)
DA915 Practical Case Studies in Data Analytics (Elective)
DA925 Project Management and Business Communication (Elective)
DA929 Term Project (Non-credit)

Student Profile

2014-2016 Academic Years

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<tr>
<th>Enrollement</th>
<th>Professional Status</th>
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<td>52</td>
<td>98% working</td>
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</table>

Age (Range): 30.5 (24-44) Newly graduates

Male/Female: 65% / 35% Work experience 6.9 years

GPA: 2.80 Students with a graduate degree 25%

Following charts provide information about our students’ undergraduate backgrounds and the industries they are working in:

Undergraduate Background

-Economics Technology

- Math/Statistics/Science

- MIS/IT/IS

- Social Sciences

Employment by Industry

- Engineering

- Banking/Financial Services

- Telecom

- Technology

- Consulting

- Other

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Additional Information

**Training Location**

All classes are conducted at Karakoy Minerva Palace, which is within easy reach from all around Istanbul by underground by tramway, by boat or by other means of public transportation.

**Weekday classes:**

Every Monday and Wednesday between 19:00 and 22:00

**Weekend classes:**

Every Saturday between 09:00 and 16:00

**Address:**

Minerva Palas, Bankalar Caddesi No:2, Karaköy, 34420 Istanbul