Tableau Business & Data Analytics Virtual Open House

Fall 2020
Welcome Remarks

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Faculty:
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Classes

FALL 2020
• CIS 120: Fundamentals of Business & Data Analytics
  9/28-11/6 (6 weeks)
• CIS 122: SQL for Data Analytics
  11/9-12/17 (6 weeks)

• NOTE: Courses are online

SPRING 2021
• CIS 123: Data Visualization with Tableau
  (Est. 1/25/21-3/19/21)
• CIS 124: Utilizing Statistics for Data Analytics
  (Est. 3/22/21-5/21/21)
Goals

- Provide aspiring students within the San Jose community to learn and achieve mastery in the field of Data Science.
- Bridge the San Jose community with job opportunities in Data Science, one of the fastest-growth tech occupations in the present decade.
How we do this?

- Partnering with a premium institution to deliver content that is relevant, reputable and that resonates with the types of challenges that companies face today.
- Key dimensions for skills development
  - Develop a strong understanding of Analytics in a business context.
  - Identify the role and structure of relational databases as they apply to Data Analytics.
  - Create compelling data visualizations using Tableau in the context of business and data analytics.
  - Develop Statistics techniques and skills to perform data analysis on real-world data using tools such as Google Sheets and Python.
Delivery Format

FALL SEMESTER (2020)

CIS-120 Business & Data Analytics

CIS-122 SQL for Data Analytics

SPRING SEMESTER 2021

CIS-123 Data Visualization

CIS-124 Statistics for Data Analytics
COURSE DETAILS

CIS 120 – Fundamental of Business & Data Analytics
CIS 122 – SQL for Data Analytics
CIS 123 – Visualization with Tableau
CIS 124 – Utilizing Statistics for Data Analytics
CIS-120
Fundamentals of Business & Data Analytics

• Develop students’ understanding of analytics in the context of a business and to provide a framework for students to apply topics such as:
  – Framing a business problem
  – Stakeholder analysis
  – Data wrangling using Google Sheets
  – Data visualizations
  – Descriptive statistics
  – Exploratory data analysis
  – Data storytelling in business

• Students will learn how to clean, visualize, analyze, and communicate data insights to stakeholders.

• Culminates in a hands-on final project in which students will perform an end-to-end exploratory data analysis (EDA) using real industry data.
CIS-122
SQL for Data Analytics

• Students will be introduced to Structured Query Language (SQL) and will learn to
  – Identify the role and structure of relational databases as they apply to data analytics,
  – Apply the Structured Query Language (SQL) in MySQL for data manipulation language (DML),
  – Apply the Structured Query Language (SQL) in MySQL for data definition language (DDL),
  – Apply normal forms (1NF, 2NF, & 3NF) for database normalization.
CIS-123
Data Visualization with Tableau

• Explore the role and application of data visualization in the data analysis process using Tableau.
• Create and design…
  – Both static and dynamic tables
  – Data visualizations, dashboards
  – Stories while incorporating visual design best practices to better communicate insights to intended audience
  – Such as business stakeholders.
• Students will also connect multiple external data sources (e.g., Text Files, Excel, SQL databases) to Tableau and optimize large data to efficiently wrangle and analyze real-industry data.
• Focused on project-based learning and prepares students for the skills identified in the Tableau Desktop Specialist certification.
CIS-124
Utilizing Statistics for Data Analytics

• This course is the fourth in the four-part series focused on business / data analytics, and aimed at community college students who have little or no background in business or analytics.

• The first three courses in the series are not necessarily prerequisites for this course, but a basic familiarity with data and spreadsheets is assumed.

• The course is focused on project-based learning using Google Sheets and Python to apply basic statistical techniques to data.
Finances & Apprenticeships

• Specific Scholarships are not available at this time
• Financial Aid, Jaguar Commitment, etc. are available to those who qualify
• Apprenticeship is getting approved through the Department of Apprenticeship Standards
• Once apprenticeships approved, we will be able to retroactively cover Tableau Business & Data Analytics course tuitions
Apprenticeship Cont.

- 2000 hours (approximately 1 year)
- Minimum salary with potential raises
- Customized training and regular evaluations by employer
- On form, indicate your interest. We will update you with paperwork and additional information once apprenticeship is approved by the state.
- Interview & hiring process with employer
SJCC Services

- Virtual Library Services, including e-books
- Textbook loan program
- Laptop loan program
- 24-Hour Online Tutoring
- Student Accessibility Services
- Academic & Mental Health Counseling Services

- Food distribution available. Summer dates: 2nd & 4th Wednesdays each month.
  Time: 10am-12pm
  Location: By parking garage

www.sjcc.edu/current-students
https://www.cccstudentmentalhealth.org/
https://cvc.edu/keeplearning/
Career Education Services

• 3 Designated CE Counselors. Your POC: Julie.Nguyen@sjcc.edu
• Future Skills & Employment Center (virtual services still available)
  – Virtual Job Fair (September 15th 11AM-1PM) (www.sjcc.edu/home/job-fairs)
  – Virtual Mock Interviews (www.sjcc.edu/home/ce-job-resources)
  – “Your Future” Friday workshops (www.sjcc.edu/home/ce-job-resources)
• SJCC Job Board, College Central Network
• FREE LinkedIn Learning (www.sjcc.edu/home/linkedin)
• Career Closet (open once campus opens)
Enrollment Process

- Apply to SJCC if you are not a student
- Complete this form:
  https://forms.gle/YHWRSzum4vKXcUpFA
- SJCC will enroll you in the appropriate course(s)
- Attend class online via Canvas & Zoom
Questions?

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