LINCOLN UNIVERSITY

LU Data Science Club

2020
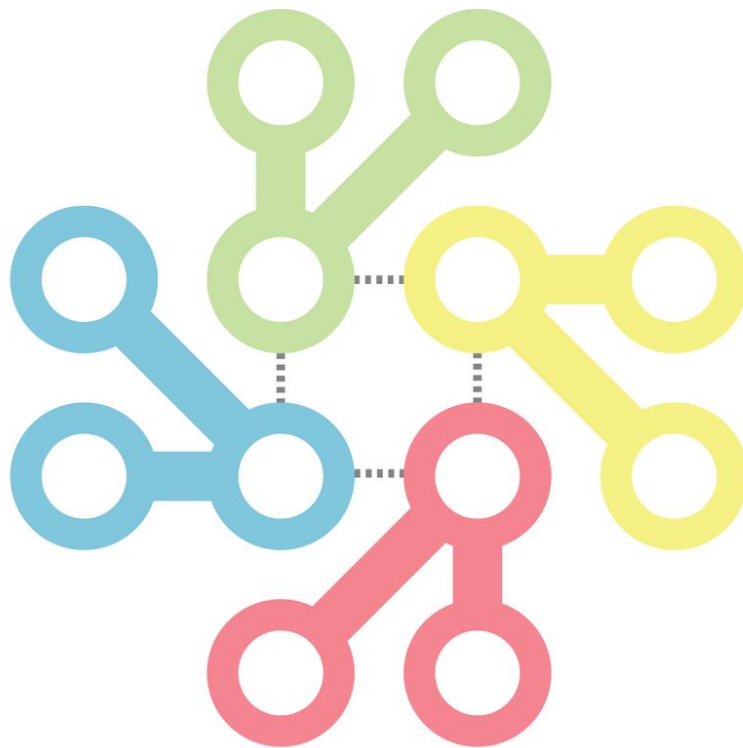
DATA SCIENCE CLUB

LINCOLN UNIVERSITY

ABOUT

The Data Analytics Club at Lincoln University is designed to support and improve the skill development of both bachelor and master's students interested in data knowledge on an extracurricular basis. The LU DAC conducts workshops every two weeks including SQL (Structured Query Language), Python for Data Analytics (NumPy, Pandas, Matplotlib, Seaborn, Plotly & Clufflinks, and Geographical Plotting Libraries), Probability and Statistics, Tableau (analyzing and visualizing dashboards) and Microsoft Power BI (reporting).

The main aim of the club is to help LU students to use online sources effectively to learn the data analytics tools based on self-study. In this club, data enthusiastic students will have the best opportunity to collaborate with other interested students and access to data-related internships and jobs.

LU DSC MEMBERS

Student Name	Islambek Sultanbaev MS in International Business	Contact information: isultanbaev@lincolnucasf.edu
Student Name	Islam Mahbub BS in Information Management	Contact information: mdislam@lincolnucasf.edu

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DATA SCIENCE RESOURCES

STRUCTURES QUERY LANGUAGE (MySQL)
- Techonthenet.com (Oracle PL/SQL, SQL Server, MySQL, MariaDB, PostgreSQL, SQLite)
- Mysqltutorial.org (MySQL)
- 365datascience.com (MySQL)
- Edx.com (MySQL, SQL Server)
- Coursera.com (MySQL, SQL Server, Oracle SQL)

PYHTON
- www.w3chools.com (Python basics)
- Udemy.com (Python basics, NumPy, Pandas, Matplotlib, Seaborn, Plotly & Cufflinks)
- Coursera.com (Basics of Python, NumPy, Pandas)
- 365datascience.com (Python + SQL + Tableau)

TABLEAU SOFTWARE
- Tableau.com (Tableau Basics, Fundamentals, Intermediate, Advanced Levels) with one-year free access
- Tableau Public for Viz
- 365datascience.com (SQL + Tableau Integration)

POWER BI (BUSINESS INTELLIGENCE)
- Edx.com (Analyzing and Visualizing with Power BI)
- Microsoft.com (free learning program)
- Udemy.com (Microsoft Power BI Reporting)

PROBABILITY AND STATISTICS
- Udemy.com (Probability and Statistics for all levels)
- Khan Academy (Probability, Statistics and Math)
- 365datascience.com (Statistics, Probability)

MICROSOFT SPREADSHEET FOR DATA ANALYTICS
- Techonthenet.com (Spreadsheet)
- 365datascience.com (Fundamentals of Excel, Advanced Excel)
- Khan Academy (Microsoft Excel)

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DATA SCIENCE WORKSHOP SCHEDULE

NUMBER OF WORSHOPS	DATE / TIME	CAMPUS ROOM / ZOOM ONLINE	INSTRUCTORS
WORKSHOP 1	September 11, 2020 02:30 pm – 03:30 pm	Zoom	Islambek Sultanbaev Mahbub Topu
WORKSHOP 2	September 25, 2020 02:30 pm – 03:30 pm	Zoom	Islambek Sultanbaev Mahbub Topu
WORKSHOP 3	October 9, 2020 02:30 pm – 03:30 pm	Zoom	Islambek Sultanbaev Mahbub Topu
WORKSHOP 4	October 23, 2020 02:30 pm – 03:30 pm	Zoom	Islambek Sultanbaev Mahbub Topu
WORKSHOP 5	November 6, 2020 02:30 pm – 03:30 pm	Zoom	Islambek Sultanbaev Mahbub Topu
WORKSHOP 6	November 20, 2020 02:30 pm – 03:30 pm	Zoom	Islambek Sultanbaev Mahbub Topu
WORKSHOP 7	December 4, 2020 02:30 pm – 03:30 pm	Zoom	Islambek Sultanbaev Mahbub Topu
WORKSHOP 8	December 18, 2020 02:30 pm – 03:30 pm	Zoom	Islambek Sultanbaev Mahbub Topu
WORKSHOP 9	January 8, 2021 02:30 pm – 03:30 pm	Zoom	Islambek Sultanbaev Mahbub Topu
WORKSHOP 10	January 22, 2021 02:30 pm – 03:30 pm	Zoom	Islambek Sultanbaev Mahbub Topu