

2021 COOL Data Science/Analysis			
Day	4:00 to 5:00 pm	5:00 - 5:30 pm	5:30 - 6:30
Wed 6/23	Orientation and Overview	Icebreaking activities	Engaging in Science and Research: An Islamic Perspective
Thurs 6/24	The Amazing world of Data Science/Analysis	I wish I could	Python Environment (Anaconda) setup
Sat 6/26	Social Media: Awareness, Alerts, and Activism (11:00 am-1:00 pm)		
Mon 6/28	Introductory Python Programming	Game Time	Simple Data Processing (Mean, Mode, Median etc.) in Excel
Tues 6/29	Python for Data Analysis-NumPy, SciPy, Pandas	Kahoot	Import/Export of Data in Python
Wed 6/30	Web Based Data by Web Scraping	TBD	Use of python package for web scraping
Thurs 7/01	Scraping Example	Kahoot	Gen Bridge Team chat
Sat 7/3	College, Career Prep -- Panel Discussion (11:00 am-1:00 pm)		
Mon 7/5	July 4th Holiday		
Tue 7/6	Statistics-- Applications and Use cases	Kahoot	Statistics -- Fundamental Concepts
Wed 7/07	Data Profiling	Strategy Game	Matplotlib:Python
Thu 7/8	Data Visualization -- Plots and Charts (Using Excel)	Kahoot	Data Visualization -- Plots and Charts (Using Python)
Sat 7/10	MYDT Debate Competition		
Mon 7/12	Working with Qur'anic Data	TBD	Safe and Secure Online
Tue 7/13	Machine Learning (ML) Intro	Game Time	Classification using ML Tools
Wed 7/14	Clustering using ML Tools	Kahoot	Problem Solving using ML
Thurs 7/15	Your Online Profile Matters	TBD	Team Project
Sat 7/17	Leadership and Entrepreneurship -- Panel Discussion (11:00 am-1:00 pm)		
	EID BREAK Mon -Tues 07/19-07/20		
Wed 7/21	Working on Team Project	TBD	Working on Team Project
Thurs 7/22	Lessons Learned and Summary	TBD	Team Project -- Presentation
Sat 7/24	Conclusion		