

Start My Server (/hub/spawn)

Info

Video Links

Video Downloads

Grades

Schedule

Lectures will be distributed every week as a set of 4 hour long videos. The links will be posted here as they are uploaded.

Video links below

Date	Event	Youtube Link
Monday 7/8/2019 7:00 am	WQU DS Module Introductory Video	https://youtu.be/QUQSY7pmuSQ (https://youtu.be/QUQSY7pmuSQ)
Monday 7/8/2019 7:00 am	1.1.1 Basic Programming & Variables	https://youtu.be/3phV29yvWO8 (https://youtu.be/3phV29yvWO8)
Monday 7/8/2019 7:00 am	1.1.2 Functions	https://youtu.be/SytwpgZ5k6U (https://youtu.be/SytwpgZ5k6U)
Monday 7/8/2019 7:00 am	1.1.3 Logic & Conditional Expressions	https://youtu.be/CyjsNEFjLVk (https://youtu.be/CyjsNEFjLVk)
Monday 7/8/2019 7:00 am	1.1.4 Iteration	https://youtu.be/MljqvWgfdq8 (https://youtu.be/MljqvWgfdq8)
Monday 7/8/2019 7:00 am	1.2.1 Data Structures (list)	https://youtu.be/GGhWL_r_CSE (https://youtu.be/GGhWL_r_CSE)
Monday 7/8/2019 7:00 am	1.2.2 Data Structures (tuple)	https://youtu.be/jDuGDuzGkyE (https://youtu.be/jDuGDuzGkyE)
Monday 7/8/2019 7:00 am	1.2.3 Data Structures (set)	https://youtu.be/b4odPCnUcwA (https://youtu.be/b4odPCnUcwA)

Date	Event	Youtube Link
Monday 7/8/2019 7:00 am	1.2.4 Data Structures (dict)	https://youtu.be/Acv69ca9Bu8 (https://youtu.be/Acv69ca9Bu8)
Monday 7/8/2019 7:00 am	1.2.5 Data Structures (collections module)	https://youtu.be/cS2xi4Ut0lY (https://youtu.be/cS2xi4Ut0lY)
Monday 7/8/2019 7:00 pm	Office Hour 1	https://www.youtube.com/watch?v=pEcBhR-YQF0 (https://www.youtube.com/watch?v=pEcBhR-YQF0)
Tuesday 7/9/2019 11:00 pm	Office Hour 2	https://www.youtube.com/watch?v=qV5L_sle-EU (https://www.youtube.com/watch?v=qV5L_sle-EU)
Wednesday 7/10/2019 7:00 pm	Office Hour 3	https://www.youtube.com/watch?v=X9yJ1p7412Q (https://www.youtube.com/watch?v=X9yJ1p7412Q)
Thursday 7/11/2019 11:00 pm	Office Hour 4	https://www.youtube.com/watch?v=Sf9IW8Pc1IA (https://www.youtube.com/watch?v=Sf9IW8Pc1IA)
Monday 7/15/2019 7:00 am	2.1.1 Algorithms and Complexity Analysis	https://youtu.be/PL15zDN5cCA (https://youtu.be/PL15zDN5cCA)
Monday 7/15/2019 7:00 am	2.1.2 Computational/Time Complexity	https://youtu.be/X9O5vGqMI1s (https://youtu.be/X9O5vGqMI1s)
Monday 7/15/2019 7:00 am	2.1.3 Recursion & Memoization	https://youtu.be/8yaoYqokmPk (https://youtu.be/8yaoYqokmPk)
Monday 7/15/2019 7:00 am	2.1.4 Memory Complexity & Data Structures	https://youtu.be/RuPUm5nbNQY (https://youtu.be/RuPUm5nbNQY)
Monday 7/15/2019 7:00 am	2.2.1 What is an Object?	https://youtu.be/21la8yZtQqU (https://youtu.be/21la8yZtQqU)
Monday 7/15/2019 7:00 am	2.2.2 Introduction to Classes	https://youtu.be/wxNT_vPQihE (https://youtu.be/wxNT_vPQihE)

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Monday 7/15/2019 7:00 am	2.2.3 Defining Useful Classes	https://youtu.be/Zi4DqsSXHUE (https://youtu.be/Zi4DqsSXHUE)
Monday 7/15/2019 7:00 am	2.2.4 Object-Oriented Programming & Inheritance	https://youtu.be/UxR8ZPTMkuc (https://youtu.be/UxR8ZPTMkuc)
Monday 7/15/2019 7:00 am	2.3.1 VC Miniproject Intro & Hackerrank Coding Challenges	https://youtu.be/k80mHM-VqBQ (https://youtu.be/k80mHM-VqBQ)
Monday 7/15/2019 7:00 pm	Office Hour 5	https://www.youtube.com/watch?v=xwKQdo5rg1o (https://www.youtube.com/watch?v=xwKQdo5rg1o)
Tuesday 7/16/2019 11:00 pm	Office Hour 6	https://www.youtube.com/watch?v=rorgoblEsSY (https://www.youtube.com/watch?v=rorgoblEsSY)
Wednesday 7/17/2019 7:00 pm	Office Hour 7	https://www.youtube.com/watch?v=CCe1EUc7yck (https://www.youtube.com/watch?v=CCe1EUc7yck)
Thursday 7/18/2019 11:00 pm	Office Hour 8	https://www.youtube.com/watch?v=9pzfOEoX1vE (https://www.youtube.com/watch?v=9pzfOEoX1vE)
Sunday 7/21/2019 7:00 am	3.1.1 Pythonic Programming	https://youtu.be/20WhvoAQVlc (https://youtu.be/20WhvoAQVlc)
Sunday 7/21/2019 7:00 am	3.1.2 Python Modules & Imports	https://youtu.be/9xdmBjurb7c (https://youtu.be/9xdmBjurb7c)
Sunday 7/21/2019 7:00 am	3.1.3 Exceptions & Debugging	https://youtu.be/dvU2UY6QM5I (https://youtu.be/dvU2UY6QM5I)
Sunday 7/21/2019 7:00 am	3.2.1 Basic Python IO	https://youtu.be/TCJktfMOaPw (https://youtu.be/TCJktfMOaPw)
Sunday 7/21/2019 7:00 am	3.2.2 File System Operations in Python	https://youtu.be/_9BHLex7FC8 (https://youtu.be/_9BHLex7FC8)

Date	Event	Youtube Link
Sunday 7/21/2019 7:00 am	3.2.3 CSV Files	https://youtu.be/kZiE5nZPH5E (https://youtu.be/kZiE5nZPH5E)
Sunday 7/21/2019 7:00 am	3.2.4 JSON Files	https://youtu.be/fl0nOob4fuA (https://youtu.be/fl0nOob4fuA)
Sunday 7/21/2019 7:00 am	3.2.5 Compression & GZip Files	https://youtu.be/Z3MQ8_zpczI (https://youtu.be/Z3MQ8_zpczI)
Sunday 7/21/2019 7:00 am	3.2.6 Serialization & Pickle Files	https://youtu.be/uPwk_TbHGdY (https://youtu.be/uPwk_TbHGdY)
Sunday 7/21/2019 7:00 am	3.3.1 PW Miniproject Intro	https://youtu.be/sCB8g4D-0DA (https://youtu.be/sCB8g4D-0DA)
Monday 7/22/2019 7:00 pm	Office Hour 9	https://www.youtube.com/watch?v=l1i-z1IVDf8 (https://www.youtube.com/watch?v=l1i-z1IVDf8)
Tuesday 7/23/2019 11:00 pm	Office Hour 10	https://www.youtube.com/watch?v=f9LSr4AzSvY (https://www.youtube.com/watch?v=f9LSr4AzSvY)
Wednesday 7/24/2019 7:00 pm	Office Hour 11	https://www.youtube.com/watch?v=INffneZ0nig (https://www.youtube.com/watch?v=INffneZ0nig)
Thursday 7/25/2019 11:00 pm	Office Hour 12	https://www.youtube.com/watch?v=gaPI0y7tlgc (https://www.youtube.com/watch?v=gaPI0y7tlgc)
Sunday 7/28/2019 7:00 am	4.1.1 Intro to NumPy	https://youtu.be/el-7PDaWfPk (https://youtu.be/el-7PDaWfPk)
Sunday 7/28/2019 7:00 am	4.1.2 Creating NumPy Arrays	https://youtu.be/3gXD67pTVP4 (https://youtu.be/3gXD67pTVP4)
Sunday 7/28/2019 7:00 am	4.1.3 Advantages of NumPy	https://youtu.be/NOzCJa16gHw (https://youtu.be/NOzCJa16gHw)

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Sunday 7/28/2019 7:00 am	4.1.4 Computation with NumPy	https://youtu.be/QF9TQ9Yj6tc (https://youtu.be/QF9TQ9Yj6tc)
Sunday 7/28/2019 7:00 am	4.1.5 Mutating NumPy Arrays	https://youtu.be/UPd2zcr5Tbc (https://youtu.be/UPd2zcr5Tbc)
Sunday 7/28/2019 7:00 am	4.1.6 Plotting with Matplotlib	https://youtu.be/mRxAAcGRR2U (https://youtu.be/mRxAAcGRR2U)
Sunday 7/28/2019 7:00 am	4.1.7 Intro to Pandas	https://youtu.be/zu4uCw79iRU (https://youtu.be/zu4uCw79iRU)
Monday 7/29/2019 7:00 pm	Office Hour 13	https://www.youtube.com/watch?v=yuZ58EYwfWc (https://www.youtube.com/watch?v=yuZ58EYwfWc)
Tuesday 7/30/2019 11:00 pm	Office Hour 14	https://www.youtube.com/watch?v=-1AitK6n2ts (https://www.youtube.com/watch?v=-1AitK6n2ts)
Wednesday 7/31/2019 7:00 pm	Office Hour 15	https://www.youtube.com/watch?v=Thi2X0AOaks (https://www.youtube.com/watch?v=Thi2X0AOaks)
Thursday 8/1/2019 11:00 pm	Office Hour 16	https://www.youtube.com/watch?v=cs5vMAjSaCI (https://www.youtube.com/watch?v=cs5vMAjSaCI)
Monday 8/5/2019 7:00 am	5.1.1 Pandas Overview	https://youtu.be/LLltyyJH9kk (https://youtu.be/LLltyyJH9kk)
Monday 8/5/2019 7:00 am	5.1.2 Pandas IO	https://youtu.be/KmmwUVrYMOQ (https://youtu.be/KmmwUVrYMOQ)
Monday 8/5/2019 7:00 am	5.1.3 Filtering DataFrames	https://youtu.be/EkCWEMe6cSg (https://youtu.be/EkCWEMe6cSg)
Monday 8/5/2019 7:00 am	5.1.4 Data Transformations	https://youtu.be/3HdYzqh8Bag (https://youtu.be/3HdYzqh8Bag)

Date	Event	Youtube Link
Monday 8/5/2019 7:00 am	5.1.5 Data Aggregation	https://youtu.be/_93sDSezpD8 (https://youtu.be/_93sDSezpD8)
Monday 8/5/2019 7:00 am	5.1.6 Joins & Multiple DataFrames	https://youtu.be/0QEgP-m8MFE (https://youtu.be/0QEgP-m8MFE)
Monday 8/5/2019 7:00 am	5.1.7 Time Series Data	https://youtu.be/WzIHZSet8WY (https://youtu.be/WzIHZSet8WY)
Monday 8/5/2019 7:00 am	5.2.1 Intro to Statistics	https://youtu.be/y54T0l8LiY (https://youtu.be/y54T0l8LiY)
Monday 8/5/2019 7:00 am	5.2.2 Estimating Means	https://youtu.be/qsDQHeqJuhw (https://youtu.be/qsDQHeqJuhw)
Monday 8/5/2019 7:00 am	5.2.3 Standard Error of the Mean	https://youtu.be/T_EC239eoM4 (https://youtu.be/T_EC239eoM4)
Monday 8/5/2019 7:00 am	5.2.4 Hypothesis Testing & Z-Scores	https://youtu.be/FDOZK1DYh2w (https://youtu.be/FDOZK1DYh2w)
Monday 8/5/2019 7:00 am	5.2.5 Parameter Estimation & Confidence Intervals	https://youtu.be/W6fFG3x5-zE (https://youtu.be/W6fFG3x5-zE)
Monday 8/5/2019 7:00 am	5.3.1 DW Miniproject Intro	https://youtu.be/xgna885PXg0 (https://youtu.be/xgna885PXg0)
Monday 8/5/2019 7:00 am	Extra Statistics Videos	https://www.youtube.com/playlist?list=PLVNgHN883b8FuKC-Fpnh72thE4m7J1nNO (https://www.youtube.com/playlist?list=PLVNgHN883b8FuKC-Fpnh72thE4m7J1nNO)
Monday 8/5/2019 7:00 pm	Office Hour 17	canceled (canceled)
Tuesday 8/6/2019 11:00 pm	Office Hour 18	https://youtu.be/AyciFXagRbs (https://youtu.be/AyciFXagRbs)

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Wednesday 8/7/2019 7:00 pm	Office Hour 19	https://www.youtube.com/watch?v=cju9Pk-3kAc (https://www.youtube.com/watch?v=cju9Pk-3kAc)
Thursday 8/8/2019 11:00 pm	Office Hour 20	https://www.youtube.com/watch?v=cSVde7bxMKg (https://www.youtube.com/watch?v=cSVde7bxMKg)
Monday 8/12/2019 7:00 am	6.1.1 Data Munging & Web Scraping	https://youtu.be/wV4BU2caSOs (https://youtu.be/wV4BU2caSOs)
Monday 8/12/2019 7:00 am	6.1.2 Cleaning & Structing Data	https://youtu.be/dtAEkwMUWZk (https://youtu.be/dtAEkwMUWZk)
Monday 8/12/2019 7:00 am	6.1.3 Dealing with Multiple Data Sources	https://youtu.be/ci9AvvnON4g (https://youtu.be/ci9AvvnON4g)
Monday 8/12/2019 7:00 am	6.1.4 Data Munging in Pandas	https://youtu.be/1Y8e8UhsvME (https://youtu.be/1Y8e8UhsvME)
Monday 8/12/2019 7:00 pm	Office Hour 21	https://www.youtube.com/watch?v=KnOtFOARQ3w (https://www.youtube.com/watch?v=KnOtFOARQ3w)
Tuesday 8/13/2019 11:00 pm	Office Hour 22	https://www.youtube.com/watch?v=O9n6DY_fDXM (https://www.youtube.com/watch?v=O9n6DY_fDXM)
Wednesday 8/14/2019 7:00 pm	Office Hour 23	https://www.youtube.com/watch?v=bEv3mNfL_lg (https://www.youtube.com/watch?v=bEv3mNfL_lg)
Thursday 8/15/2019 11:00 pm	Office Hour 24	https://www.youtube.com/watch?v=lyjl7LfXyLE (https://www.youtube.com/watch?v=lyjl7LfXyLE)
Monday 8/19/2019 7:00 am	7.1.1 SQL & Relational Databases	https://youtu.be/1VkpuNpEqKA (https://youtu.be/1VkpuNpEqKA)
Monday 8/19/2019 7:00 am	7.1.2 Basic SQL Syntax	https://youtu.be/5i9OvFAPbAs (https://youtu.be/5i9OvFAPbAs)

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Monday 8/19/2019 7:00 am	7.1.3 Filtering & Sorting Data in SQL	https://youtu.be/LEmp_AalxGM (https://youtu.be/LEmp_AalxGM)
Monday 8/19/2019 7:00 am	7.1.4 Joins & Aggregations in SQL	https://youtu.be/HLTtdjNvl4 (https://youtu.be/HLTtdjNvl4)
Monday 8/19/2019 7:00 am	7.1.5 Comparison of SQL Flavors	https://youtu.be/PeGsrKiJRY8 (https://youtu.be/PeGsrKiJRY8)
Monday 8/19/2019 7:00 pm	Office Hour 25	https://youtu.be/GtbbTSAk3-k (https://youtu.be/GtbbTSAk3-k)
Tuesday 8/20/2019 11:00 pm	Office Hour 26	https://www.youtube.com/watch?v=obQjp9zaK4M (https://www.youtube.com/watch?v=obQjp9zaK4M)
Wednesday 8/21/2019 7:00 pm	Office Hour 27	https://www.youtube.com/watch?v=ZP-l-sSS-Uk (https://www.youtube.com/watch?v=ZP-l-sSS-Uk)
Thursday 8/22/2019 11:00 pm	Office Hour 28	https://www.youtube.com/watch?v=aLirNMIE38 (https://www.youtube.com/watch?v=aLirNMIE38)
Monday 8/26/2019 7:00 am	8.1.1 Introduction to Object Relation Mapping	https://youtu.be/ZkOCn4FWd0Q (https://youtu.be/ZkOCn4FWd0Q)
Monday 8/26/2019 7:00 am	8.1.2 Using Classes for Applications	https://youtu.be/unLMZzFsx1Q (https://youtu.be/unLMZzFsx1Q)
Monday 8/26/2019 7:00 am	8.1.3 Translating Classes into SQL with ORM	https://youtu.be/ZT0gt0F88Ks (https://youtu.be/ZT0gt0F88Ks)
Monday 8/26/2019 7:00 am	8.1.4 Pushing Objects to SQL & Making Queries	https://youtu.be/88UKnoER9lw (https://youtu.be/88UKnoER9lw)
Monday 8/26/2019 7:00 am	8.2.1 Course Conclusion	https://youtu.be/pAT_9CkcsU4 (https://youtu.be/pAT_9CkcsU4)

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Monday 8/26/2019 7:00 pm	Office Hour 29	https://www.youtube.com/watch?v=yptGfk0Lej8 (https://www.youtube.com/watch?v=yptGfk0Lej8)
Tuesday 8/27/2019 11:00 pm	Office Hour 30	https://www.youtube.com/watch?v=GXNbrwYiEHg (https://www.youtube.com/watch?v=GXNbrwYiEHg)
Wednesday 8/28/2019 7:00 pm	Office Hour 31	https://www.youtube.com/watch?v=gU1rypGu_n4 (https://www.youtube.com/watch?v=gU1rypGu_n4)
Thursday 8/29/2019 11:00 pm	Office Hour 32	https://www.youtube.com/watch?v=Ex2l9HnPZU8 (https://www.youtube.com/watch?v=Ex2l9HnPZU8)