**Python -1**

| **S.no** | **Lecture Name** | **Colab Link** | **Scribble Notes** |
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| 1 | Data Types | [Colab link](https://colab.research.google.com/drive/1WsynJdcTnTsxzBLh0S_6MXkOMIxhZPAP?usp=sharing) | [Scribble Notes](https://drive.google.com/file/d/1aTaksD-utYx4xmAZDH8RrbTO_9ih7VLe/view?usp=sharing) |
| 2 | Operators: | [Colab Link](https://colab.research.google.com/drive/1WcS2yPX-hx5aF1qyY94XkfTU-pD6gKkg?usp=sharing) | [Scribble Notes](https://drive.google.com/file/d/18MG92IYXzBsfNz6epqVAEBBCKnj49AhX/view?usp=sharing) |
| 3 | Control Statements: | [Colab Link](https://colab.research.google.com/drive/1F2ENxWBAIN9hPtzeVjKWlHw9MmYhFRCq?usp=sharing) | [Scribble Notes](https://drive.google.com/file/d/1729a9n_96urw5ZYFoQSS8iIiBsW8XV-T/view?usp=sharing) |
| 4 | Loops 1 - While and For | [Colab Link](https://colab.research.google.com/drive/1cYZAqt0mQzR6il6nD2NKGvNMAdN3vi1E?usp=sharing) | [Scribble Notes](https://drive.google.com/file/d/1CeoocjoJ7iQ8WrqBm6-XXd1h645fAlXH/view?usp=sharing) |
| 5 | Loops 2 - Nested Loops | [Colab Link](https://colab.research.google.com/drive/1xD5yyVBy8eBKZPclHQqlfXXuR6PNXPku?usp=sharing) | [Scribble Notes](https://drive.google.com/file/d/1WrBQq0Qmi9rArU4HsDTCkhoGUoW5M5Bk/view?usp=sharing) |
| 6 | Functions Introduction | [Colab Link](https://colab.research.google.com/drive/1Lj5IK9d_1eX_3TxTuP3OW9uq0HLSI_c6?usp=sharing) | [Scribble Notes](https://drive.google.com/file/d/1KRChS-3lSTJD7C9ECi8PplAAQB3VSobC/view?usp=sharing) |
| 7 | Lists1 Introduction | [Colab Link](https://colab.research.google.com/drive/1MUNxjg2TQa5KqdK50kGCAW7TtybkQk7C?usp=sharing) | [Scribble Notes](https://drive.google.com/file/d/1R8HxOU_I3jwnP6FIb5QiYKIWNg_mXx27/view?usp=sharing) |
| 8 | Lists 2 Slicing and 2D | [Colab Link](https://colab.research.google.com/drive/19TMeCBkdXmB5QwktZ56qhRZsizzkigV7?usp=sharing) | [Scribble Notes](https://drive.google.com/file/d/1d6e9egYsO0_cKjTG2Z7RAUagVvhSnVr7/view?usp=sharing) |
| 9 | Strings | [Colab Link](https://colab.research.google.com/drive/1GEF0uGQE5O8NlqR8j_92vNRGIO_UoXeG?usp=sharing) | [Scribble Notes](https://drive.google.com/file/d/1T80_89Ya4F3WhbmfpiBwUvNrWf9oMnAB/view?usp=sharing) |
| 10 | Sets and Tuples | [Colab Link](https://colab.research.google.com/drive/19QBwD3CsJocm8oPIcA2cgDZI-3cyni2Z?usp=sharing) | [Scribble Notes](https://drive.google.com/file/d/1cGQouQyB9c6O38-kfMLqegZTDVUWaHOl/view?usp=sharing) |
| 11 | Problem Solving | [Colab Link](https://colab.research.google.com/drive/1KQWwVs4yjS7fMaGW3wM1h_496Vjo4psp?usp=sharing) | [Scribble Notes](https://colab.research.google.com/drive/1KQWwVs4yjS7fMaGW3wM1h_496Vjo4psp?usp=sharing) |

Cheatsheet 1 : [Python Beginner 1](https://drive.google.com/file/d/1pC1Ew-bgZ3heNbLmUxjRSe-_ELZ-RSa6/view?usp=sharing)

CheatSheet 2: [Python Beginner2](https://drive.google.com/file/d/1QrXpVLM4JrCXHKpeVISsORi7frcn5zr-/view?usp=sharing)

Revision Notes: [Consolidated Notes](https://colab.research.google.com/drive/1Q9uwlKQl8Lomc9T9FzZwdO4EJx7-mzZs?usp=sharing)

**Python - 2**

| 14 | OOPS-2 | [Colab Link](https://colab.research.google.com/drive/1nA75TNXX4nv-ZVeajP9FUY-rCLPGLR8W?usp=sharing) |  |
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| 15 | Functional Programming - Basics | [Colab Link](https://colab.research.google.com/drive/1VDRSkOrnSrd5snfOrok_sjJkrqH1WLoL?usp=sharing) | [Scribble Notes](https://drive.google.com/file/d/1x34EC6vxNlvgpFC1p6eqz7J1N17P9g3Z/view?usp=sharing) |
| 16 | Functional Programming 2-Map, Filter, Reduce | [Colab Link](https://colab.research.google.com/drive/1li_IeUEnBMeySzN7wfJOoZU7vmac934i?usp=sharing) | [Scribble Notes](https://drive.google.com/file/d/12BExutiKgU-cQh9OL99MflInZiv5hlUn/view?usp=sharing) |
| 17 | Modules and Exception Handling | [Colab Link](https://colab.research.google.com/drive/1CCnAwCEeKFgEGoy5VuxTTL68GG_TbkM-?usp=sharing) | [Scribble Notes](https://drive.google.com/file/d/1KoTYF-d0Py41XIdtJ78UBk2RYoSS0AhP/view?usp=sharing) |
| 18 | Basics of Time and Space Complexity | [Colab Link](https://colab.research.google.com/drive/1iHiZY2FtCPMpz-CSj2Lj-sKKooDK7bEe?usp=sharing) | [Scribble Notes](https://drive.google.com/file/d/1STm2Qo1-i6U5bsKhJXJo0ZzqHl9j0n5D/view?usp=sharing) |
| 19 | Regular Expressions | [Colab Link](https://colab.research.google.com/drive/1EcAZCZL8iDvV-WUfR45zPcpxK-6nFjp7?usp=sharing) | [Scribble Notes](https://drive.google.com/file/d/1jU2c-1u5bjBhxrF5Cjr4PKkDdO28cv4B/view?usp=sharing) |
| 20 | Web Scraping | [Colab Link](https://colab.research.google.com/drive/1z1Y_R_szbcc5d8wjci9Ts-oVLppLb2oM?usp=sharing) |  |
| 22 | Problem Solving | [Colab Link](https://colab.research.google.com/drive/1qZydY1eKgNd_Je8YXWbl8_Ss75__Zg_H?usp=sharing) |  |

Cheat Sheet1: [Python Beginner 2](https://drive.google.com/file/d/1Oh3X5a9PrV2SJoyDrVvJzdiJl8MeFO81/view?usp=sharing)

Cheat Sheet2: [Python Beginner 2-2](https://drive.google.com/file/d/1QnH8GMvkZ1a3P1E8Az6pGQE4WMc7fk_X/view?usp=sharing)

Consolidated Notes: [ColabLink](https://colab.research.google.com/drive/13jfbplQxG0O9e34odBX54P18IQ9qizJ3?usp=drive_link)

**DAV-1**

| 1 | Numpy -1 | [Colab link](https://colab.research.google.com/drive/1ylW9yIV1Hp_Zbeovm5RT_upF0hGkol5V?usp=sharing) | [Scribble Notes](https://drive.google.com/file/d/1S-hGV2426JXB3v3d1X0AGK74e1xQgm3F/view?usp=sharing) |
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| 2 | Numpy-2 | [Colab Link](https://colab.research.google.com/drive/1rHcSO98vPNEJL2Pzcc7rtvjSoToZxkQL?usp=sharing) | [Scribble Notes](https://drive.google.com/file/d/1fjwCuNHh1yQ_8-UPBxGAIybkyVVxWXHc/view?usp=sharing) |
| 3 | Numpy-3 | [Colab Link](https://colab.research.google.com/drive/1-00HKEy2WVfERebn3UjOTIVWk_b4ZBtm?usp=sharing) | [Scribble Notes](https://drive.google.com/file/d/1uIe4UqeMclrPDvBrqAiijOaVIh4O5ixj/view?usp=sharing) |
| 4 | Numpy - 4 | [Colab Link](https://colab.research.google.com/drive/1fD67hUzZ-yFULH_j-J1EOlmWUXlUSfPg?usp=sharing) | [Scribble Notes](https://drive.google.com/file/d/1tWOXPXpfb_Im2fXrwd2evr38dqx8EEWS/view?usp=sharing) |
| 5 | Pandas-1 | [Colab Link](https://colab.research.google.com/drive/1yjUZ2r7bqbL1cvmxaxo1pPR4do3lbSuy?usp=sharing) | [Scribble Notes](https://drive.google.com/file/d/1DSdGuOVFMrE3Uc0dUQsZqZSmAUCYw7kU/view?usp=sharing) |
| 6 | Pandas-2 | [Colab Link](https://colab.research.google.com/drive/1dcHH1eq7RXu1uCnjlXvRnxfC7Xr7nMrb?usp=sharing) | [Scribble Notes](https://drive.google.com/file/d/1cCiSuEW8q9WQa2b0zSVsKmU8mNXgqM9m/view?usp=sharing) |
| 7 | Pandas-3 | [Colab Link](https://colab.research.google.com/drive/1i9152Zpuz6wijCS8pSd85P0S-jBJD-0T?usp=sharing) | [Scribble Notes](https://drive.google.com/file/d/1YokXiT9_dpHnQhsuQ1zJRikXeTuBRNt_/view?usp=sharing) |
| 8 | Pandas-4 | [Colab Link](https://colab.research.google.com/drive/1KQiTtWRBm0LBFsoaE-nWHh0kojITwxm7?usp=sharing) | [Scribble Notes](https://drive.google.com/file/d/11K8qs1oUUjz-dEiDO3LsYGOkN9a7TafD/view?usp=sharing) |
| 9 | Pandas - 5 | [Colab Link](https://colab.research.google.com/drive/1yTzXj1WDtS9eagNY17E67NC6nhFfV37C?usp=sharing) | [Scribble Notes](https://drive.google.com/file/d/1tWqSihFN74yWN7b_YlZWDboe7fz_sFTE/view?usp=sharing) |
| 10 | Data Visualization -1 | [Colab Link](https://colab.research.google.com/drive/1BQ5wUmLJTx6gUGeuqd3dQl4ZSiEYALhK?usp=sharing) | [Scribble Notes](https://drive.google.com/file/d/1wtNgpEfTMMJiK2wn03U0Yu44xhzZIsAI/view?usp=sharing) |
| 11 | Data Visualization - 2 | [Colab Link](https://colab.research.google.com/drive/12KCThDa-r4_Njnp-YVR2SbSkc0-YOGID?usp=sharing) | [Scribble Notes](https://drive.google.com/file/d/12AQVKvGvqg3i9kQ-Evf8USutW-9MxHhs/view?usp=sharing) |
| 12 | Data Visualization - 3 | [Colab Link](https://colab.research.google.com/drive/1DKIrhsYi8IjLYSrm8SKh2RUGWvdh-0F3?usp=sharing) | [Scribble Notes](https://drive.google.com/file/d/1DfQead9fQWPSrv0R2YMgtvK21N_7WBlB/view?usp=sharing) |
| 13 | Problem Solving | [Colab Link](https://colab.research.google.com/drive/1XbPOwZKHSPeoGOkliqNmi0e9tK5O-TGP?usp=sharing) |  |

Cheat Sheet [Numpy](https://drive.google.com/file/d/1MSh1wOWn57wB1heZTbbkYB07NONs-Vnr/view?usp=drive_link)

Cheat Sheet [Pandas](https://drive.google.com/file/d/1kEH2Xew0tP0mrODmc93WSYX2zN7F9MfS/view?usp=sharing)

Cheat Sheet [Data Visualization](https://drive.google.com/file/d/1EDV3aiBRzw8zgGD7i0wj3mmCWOt541P4/view?usp=drive_link)

**DAV-2**

| 1 | Probability Basic Definitions | [Colab Link](https://colab.research.google.com/drive/1LVqjVEtkrEMtqKjSdY0FY7cUBlNAkW7h?usp=sharing) | [Scribble Notes](https://drive.google.com/file/d/1phxE_FmdJfztFhdtMMKt2mWxOtxMyRBq/view?usp=sharing) |
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| 2 | Conditional Probability |  | [Scribble Notes](https://drive.google.com/file/d/1uzotOQIiigS69V4AawDTTjFEj3WGCFDU/view?usp=sharing) |
| 4 | Combinatorics |  | [Scribble Notes](https://drive.google.com/file/d/1FZ8Cxk1ePmi00Coa8aVKHNu9Nr-672Sw/view?usp=sharing) |
| 5 | Descriptive Statistics | [Colab Link](https://colab.research.google.com/drive/1I71Ju7rFwHl4coZp0F7s0FYtVfRwXS-l?usp=sharing) | [Scribble Notes](https://drive.google.com/file/d/1sQEryYey8wQ_xLOo7I0s-HZuxSwxNKFs/view?usp=sharing) |
| 6 | Probability Distributions - 1 | [Colab Link](https://colab.research.google.com/drive/18QyKIl8hUnm06ItQt1nlCbQ8Y429vpkA?usp=sharing) | [Scribble Notes](https://drive.google.com/file/d/1pO10dVm8H-klcpGj-P4Swz4let2av6Fu/view?usp=sharing) |
| 7 | Probability Distributions - 2 | [Colab Link](https://colab.research.google.com/drive/1OYdM7jvKMZsSAdj38nrNN0OKgDBy1WNV?usp=sharing) | [Scribble Notes](https://drive.google.com/file/d/1Ze-Kh486goBL4-Z8crh_e4BzMwVjQjed/view?usp=sharing) |
| 8 | Probability Distributions - 3 | [Colab Link](https://colab.research.google.com/drive/1yzyjfhdLitbaS2k2uG5CiVYdrA4ibovj?usp=sharing) | [Scribble Notes](https://drive.google.com/file/d/11uOZVlYEGLz-eg05nUYQ3aXc-tAh7QRw/view?usp=sharing) |
| 9 | Central Limit Theorem & Confidence Interval | [Colab Link](https://colab.research.google.com/drive/1nOSizjP3cAx-mIbY_R0Pz0chXroOlx1H?usp=sharing) | [Scribble Notes](https://drive.google.com/file/d/1ExfdMJcKKUNeuKZtn4anmiBM5qGPNv-M/view?usp=sharing) |
| 10 | Probability Distributions -4 | [Colab Link](https://colab.research.google.com/drive/1rCx0c6Td58n-5SaDuS_9FMr4POyX3DgF?usp=sharing) | [Scribble Notes](https://drive.google.com/file/d/1NYOE_LAEuQWX5XkYzkaVniBci9X0e0zC/view?usp=sharing) |
| 11 | Probability Distributions - 5 | [Colab Link](https://colab.research.google.com/drive/1BdcKaOsB-Ilqf0NcuEvuBLtPJ_BLlkL7?usp=sharing) | [Scribble Notes](https://drive.google.com/file/d/1p8fh2u1VtA29oUp-h2PpwZlI8j5cPpOH/view?usp=sharing) |

Cheat Sheet: [DAV-2 CheatSheet](https://d2beiqkhq929f0.cloudfront.net/public_assets/assets/000/061/156/original/DAV-2_Cheatsheet.pdf?1704780573)

Revision Notes: [DAV-2 Revision-Notes](https://colab.research.google.com/drive/1uo-H3PpC5M_zUpgWHP11ulZdM206Vhwy?usp=sharing)

**DAV3 - Fundamentals**

| 1 | Intro to Hypothesis Testing | [Colab Link](https://colab.research.google.com/drive/1Xyw9sK2z0FTI5t9w8xMIQNjJyb0L55ne?usp=sharing) | [Scribble Notes](https://drive.google.com/file/d/1rw9KAPDHxtj5DJGX7G3lvPjBe8_gYEyA/view?usp=sharing) |
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| 2 | Z-Test | [Colab Link](https://colab.research.google.com/drive/1__BeYpXLCd5JrAJ8J3XbsR6hLf01ilpp?usp=sharing) | [Scribble Notes](https://drive.google.com/file/d/19trCp6CUUSFIpXR6T2_dKgjuuQgPzFdJ/view?usp=sharing) |
| 3 | Z-Test Contd | [Colab Link](https://colab.research.google.com/drive/1MwWaQDcwCbaSFihiBxdMbwXSmWONgejy?usp=sharing) | [Scribble Notes](https://drive.google.com/file/d/14nxcsyhyyAWNqS1B5e9TivtlBqD6HMC1/view?usp=sharing) |
| 4 | Z-Test Cond-2 | [Colab Link](https://colab.research.google.com/drive/1X9r7QGG5sX_-E9RpxOPq-2j6jfD_l2-Y?usp=sharing) | [Scribble Notes](https://drive.google.com/file/d/1W5qbNU1ORs7twSGRPyh2MoR_knC3yrZH/view?usp=sharing) |
| 5 | T-Test | [Colab Link](https://colab.research.google.com/drive/1nZ_dSaB66jhLQuM_H5PePZF4ZixFhEtg?usp=sharing) | [Scribble Notes](https://drive.google.com/file/d/19vI136SDA5rsvPNTTnn4UlBWNCJU-y3u/view?usp=sharing) |
| 6 | Chi-Square Test | [Colab Link](https://colab.research.google.com/drive/1_pYfGsHdvOwwY-xjQpZ7vfO53EH4T8pn?usp=sharing) | [Scribble Notes](https://drive.google.com/file/d/1yNWLVTmUOzE2v89NZ296eath3uA4N5-u/view?usp=sharing) |
| 7 | ANOVA | [Colab Link](https://colab.research.google.com/drive/1W-3LIis0Ll25Iws0Jpd0N5LUYGILw5bx?usp=sharing) | [Scribble Notes](https://drive.google.com/file/d/1v3GF7FMRi7i_5_-K1SVXt7E10j2PMMNe/view?usp=sharing) |
| 8 | Advance Hypothesis Testing | [Colab Link](https://colab.research.google.com/drive/1NKVC280wpDM5ufYJYetGRopeya0L6FAv?usp=sharing) | [Scribble Notes](https://drive.google.com/file/d/1wxVqZpK4se26_P7I5PvOB1SQ6KpLKydM/view?usp=sharing) |
| 9 | Correlation | [Colab Link](https://colab.research.google.com/drive/1UQ3sev-M0miX27bzVUbyQ8eNBE5oE6fc?usp=sharing) | [Scribble Notes](https://drive.google.com/file/d/1NZgZ35Rs9B-PqfVK_MkvGfWIRa2bZFyl/view?usp=sharing) |
| 10 | Feature Engineering - 1 | [Colab Link](https://colab.research.google.com/drive/13MijoDrGYH-bgaFhjUK2IBde-bnXo2qY?usp=sharing) | [Scribble Notes](https://drive.google.com/file/d/1OYfALqddDKivlLr4GM1gfreSenshz4TA/view?usp=sharing) |
| 11 | Feature Engineering - 2 | [Colab Link](https://colab.research.google.com/drive/13MijoDrGYH-bgaFhjUK2IBde-bnXo2qY?usp=sharing) | [Scribble Notes](https://drive.google.com/file/d/1zmPO2G-226zM4L559W3JNOuWKWX6VeVb/view?usp=sharing) |