1. [Introduction to Machine Learning](https://youtu.be/9J6FNvil6Gw)
2. [Intro to Scikit-learn](https://youtu.be/ecryKgFv5MA)
3. [Predictors](https://youtu.be/AHALKrsFdVw)
4. [Transformers and Pipelines](https://youtu.be/zVU4131QPsw)
5. [Feature Unions](https://youtu.be/_gOyCmdumps)
6. [Custom Transformers](https://youtu.be/I0YbI9x51kU)
7. [Custom Predictors](https://youtu.be/bxf2JHcH4UI)
8. [Exercise Distance Transformer](https://youtu.be/0zYnOu1axGQ)
9. [Exercise Majority Classifier](https://youtu.be/SGLjDeJqDb0)
10. [Persisting Your Model](https://youtu.be/V9Pm_EZvABA)
11. [Common Mistakes](https://youtu.be/YZQNIUIAi3A)
12. [Regression Metrics](https://youtu.be/wlMrMvphMuw)
13. [Linear Regression Intro](https://youtu.be/L1h6cIG8XcA)
14. [Gradient Descent and Huber Loss](https://youtu.be/j0d4RogPiXM)
15. [Multivariate Regression](https://youtu.be/9YZbXipwAQg)
16. [Feature Importance](https://youtu.be/x5XB1ynjCGI)
17. [Classification Metrics](https://youtu.be/SMmbzWn8yGI)
18. [Probabilistic Models and Metrics](https://youtu.be/4MgWh8oD-hQ)
19. [Logistic Regression](https://youtu.be/oqj-0_4WKq4)
20. [Multiclassification](https://youtu.be/gOVP8c1Cmmg)
21. [Model Selection](https://youtu.be/lEBStVJXXpM)
22. [Intro to Decision Trees](https://youtu.be/D6tNPIXCI1o)
23. [Underfitting and Overfitting](https://youtu.be/ZhhvoUAhA80)
24. [GridSearchCV](https://youtu.be/cWqE82yQi1Y)
25. [Comparing Two Models](https://youtu.be/rZ8XGPm-i1o)
26. [Imputation](https://youtu.be/vJ3WBCW2sas)
27. [Categorical Data](https://youtu.be/qOAoV8HK8e0)
28. [GridsearchCV and Pipelines 1](https://youtu.be/c8ZJMXM6vvo)
29. [GridsearchCV and Pipelines 2](https://youtu.be/mqnG1yANXvo)
30. [RandomizedSearchCV](https://youtu.be/BXzf0gJuV4w)
31. [Feature Engineering and Extraction](https://youtu.be/kHDRaKe2B5A)
32. [Feature Transformation](https://youtu.be/YAJsJNS3DAA)
33. [Curse of Dimensionality](https://youtu.be/HvG45qVJM84)
34. [Regularization](https://youtu.be/ArJqhJ415d4)
35. [Multicollinearity and PCA](https://youtu.be/8eBKta-D334)
36. [Ensemble Models](https://youtu.be/oUOi5T1b_iU)
37. [Bias and Variance](https://youtu.be/-ZLg6Zp9HHg)
38. [Learning Curves](https://youtu.be/KB4fPj68Rbo)
39. [Intro KNN](https://youtu.be/EV6xlHdTaEY)
40. [KNN Bias and Variance](https://youtu.be/AXbhiyWJZdw)
41. [KNN Time Complexity](https://youtu.be/XleyueB7jXU)
42. [KD Trees and Weights](https://youtu.be/UV1WeqUFPE8)
43. [Intro to NLP](https://youtu.be/w3HtykbMcqk)
44. [Spacy](https://youtu.be/7nojkNN0EME)
45. [Obtaining a Corpus](https://youtu.be/4mYBqqbW408)
46. [Bag of Words Model](https://youtu.be/7bKNknkmIJI)
47. [Hashing Vectorizer](https://youtu.be/_wPHgQhiMVY)
48. [TF-IDF](https://youtu.be/kv9cE-uOnis)
49. [Improving Signal](https://youtu.be/UR4JcVOBiAI)
50. [N-grams and Similarity](https://youtu.be/tuwCNPEFRDs)
51. [Word Usage Classifier](https://youtu.be/FNU4dNeKrHo)
52. [Exercise I](https://youtu.be/kAZuP3efPbg)
53. [Exercise II](https://youtu.be/MkpFJkSrC2o)
54. [Exercise III and IV](https://youtu.be/Uw1_iZgihC0)
55. [Intro to Decision Trees](https://youtu.be/4cIr8W9tXD8)
56. [Tree Error Metrics](https://youtu.be/Pv8bnN3E4xA)
57. [Trees for Regression](https://youtu.be/LvUazyMSRFM)
58. [Training Trees and Hyperparameters](https://youtu.be/nC-pHG_hgdY)
59. [Geometric Interpretation and Time Complexity](https://youtu.be/l23BnV-4Xwc)
60. [Time Complexity Continued](https://youtu.be/oD_INvReM_I)
61. [Random Forests](https://youtu.be/JUzss0-pvz8)
62. [Extreme Random Forests](https://youtu.be/GLjopN8Lw94)
63. [Gradient Boosting Trees I](https://youtu.be/KJtV7fTrFH4)
64. [Gradient Boosting Trees II](https://youtu.be/E2R4D2Gc4x4)
65. [Feature Importance](https://youtu.be/WDLvgw-Znmg)
66. [Exercises](https://youtu.be/7q3pk2VcDFQ)
67. [Intro to SVM](https://youtu.be/GxSSq1B-BHg)
68. [Largest Margin Classifie](https://youtu.be/EK-69gK8y9E)r
69. [Soft Margin Classifier](https://youtu.be/QT-Flust1Hc)
70. [SVM Kernels](https://youtu.be/VQWkkPV1Q_Q)
71. [SVM vs Logistic Regression](https://youtu.be/4G7uEZCAr2U)
72. [SVM Regression](https://youtu.be/xp8TJgzgWp0)
73. [SVM Lagrangian Dual](https://youtu.be/defq3yJ8cyw)
74. [Kernel Trick](https://youtu.be/YcRcxm4LSqg)
75. [SVM Time Complexity and Multiclass](https://youtu.be/FR5D4A3Nn0c)
76. [SVM Tuning Kernels Exercise Part I](https://youtu.be/MggSYvtMcLQ)
77. [SVM Tuning Kernels Exercise Part II](https://youtu.be/tvWb6XObsFg)
78. [SVM Kernel Approximations](https://youtu.be/A3HPwA0IWIM)
79. [SVM Online Learning](https://youtu.be/bgzt8UL8x4Y)
80. [SVM Online Learning Pipeline](https://youtu.be/E1RoFHjJRDc)
81. [Intro to Clustering](https://youtu.be/HktZtB7Te0c)
82. [Metrics for Clustering](https://youtu.be/kWsylUt8LxA)
83. [KMeans Clustering](https://youtu.be/_OKUAiC9FLY)
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85. [Gaussian Mixture Models](https://youtu.be/WwDiKfHW52U)
86. [Choosing Cluster Based on Silhouette](https://youtu.be/Gj4HHh4dDEk)
87. [GMM Choosing Number of Components](https://youtu.be/QO3F4lBs4m4)
88. [Intro to Time Series](https://youtu.be/BvDcWoLnWFk)
89. [Crossvalidation in Time Series](https://youtu.be/ZOJAof-3YYA)
90. [Stationary Signal](https://youtu.be/WytJdsQBeos)
91. [Modeling Drift](https://youtu.be/53FLb9usJBk)
92. [Fourier Transforms Part I](https://youtu.be/k-cF7LB7p4w)
93. [Fourier Transforms Part II](https://youtu.be/7KSdhV2elq8)
94. [Fourier Components in our Model](https://youtu.be/ek3vt4xLL-k)
95. [Modeling Noise](https://youtu.be/IBBcCxCPv1w)
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97. [Full Model](https://youtu.be/oIIE1Fh8eNc)
98. [ARMA and ARIMA](https://youtu.be/UPox0nn4IvE)
99. [AR Example](https://youtu.be/GaQ70ZHo69s)
100. [Intro to Dimension Reduction](https://youtu.be/b5BihaS90q0)
101. [Math of Projections](https://youtu.be/CZjSrCpkxxk)
102. [PCA](https://youtu.be/dCYH6MVyfSA)
103. [PCA in Scikit Learn](https://youtu.be/lSxcJbaRvkA)
104. [PCA Implementation Details](https://youtu.be/QQl4h1gyCwc)
105. [Choosing the Number of Components](https://youtu.be/4azFI2QzyXU)
106. [Truncated SVD](https://youtu.be/nfwInvCoym0)
107. [NMF](https://youtu.be/ELLDyWiiSXU)
108. [Using PCA with Supervised ML](https://youtu.be/u8tUlG28CH0)
109. [PCA for Visualization](https://youtu.be/MRwKUI5ulio)
110. [NMF Exercise Part I](https://youtu.be/oo1sDDHE-DM)
111. [NMF Exercise Part II](https://youtu.be/PQt9XPS_bT0)
112. [Variants of PCA](https://youtu.be/0KdHFPXsonE)
113. [Intro to Anomaly Detection](https://youtu.be/KuFUQ7wWhsY)
114. [One class SVM](https://youtu.be/2l0TD7gCzvQ)
115. [Isolation Forest](https://youtu.be/xIAwOj_xh9s)
116. [Comparison Between One-class SVM and Isolation Forest](https://youtu.be/VIyK4gLB2hg)
117. [Intro to Case Study](https://youtu.be/TQk9uSFMo6w)
118. [Initial Baseline Model Part I](https://youtu.be/qrJTbKyv1eA)
119. [Initial Baseline model Part II](https://youtu.be/HMRoWtI6eMo)
120. [Full Baseline Model](https://youtu.be/gTyO2ldQfWc)
121. [Z-score Detection](https://youtu.be/d2YIby-isCE)
122. [Rolling Z-score Detection](https://youtu.be/cQ2YIZmeQKg)
123. [Using External Features Initial Model](https://youtu.be/_SvveHx_Nfk)
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125. [Packaging the Time Series Anomaly Detector](https://youtu.be/hTWHZTTbmJk)
126. [Model Considerations](https://youtu.be/SFFFnqugdOQ)
127. [Model Development](https://youtu.be/DrClE-USVDg)
128. [Flask App Local Development](https://youtu.be/chRA6Lngw-A)
129. [GET requests](https://youtu.be/v1yYLbB_uUE)
130. [Making GET Requests with Model](https://youtu.be/q9DgF7mJbrc)
131. [Using our Model with Twitter Web API](https://youtu.be/AFwGAeBDeEk)
132. [POST Requests and Flask Templates](https://youtu.be/qbi3aT0KEsA)
133. [Preparing for Deployment to the Web](https://youtu.be/zqbIVwnA0go)
134. [Deploying our App to the Web with Heroku](https://youtu.be/ALlhG0pjx1w)
135. [Rethinking Model Tuning](https://youtu.be/TPcytvHTQoA)
136. [Intro to Bayes Theorem](https://youtu.be/bzsLD59kF2g)
137. [Bayesian Inference](https://youtu.be/i6EyxNl_mdk)
138. [Bayesian Optimization](https://youtu.be/GIQL38tkyRs)
139. [End of Course Material](https://youtu.be/htdGrsIMZkg)
140. [OFFICE HOURS PLAYLIST](https://www.youtube.com/playlist?list=PLeDYvCW3J3jkRcrP72oiL-xxWmapMUnl8)