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180 Data Science and Machine Learning Projects with Python

180 Data Science and Machine Learning Projects Solved and Explained with Python.

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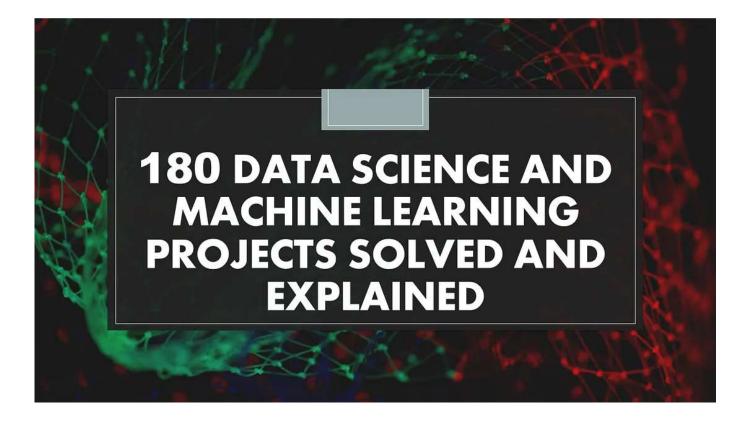
In this article, I will introduce you to more than 180 data science and machine learning projects solved and explained using the Python programming language.

Machine Learning Projects for Beginners

1. Stock Price Prediction with LSTM Neural Network

2. Online Payments Fraud Detection

3. Future Sales Prediction

4. Waiter Tips Analysis & Prediction

5. Stock Price Prediction

6. Flipkart Reviews Sentiment Analysis

7. Cryptocurrency Price Prediction for the next 30 days

8. Article Recommendation System

9. Netflix Stock Price Prediction

10. Time Series Analysis

11. Classification with Neural Networks

12. Stress Detection

13. AlexNet Neural Network Architecture

14. Visualizing a Machine Learning Algorithm

15. Training and Giving Inputs to a Machine Learning Model

16. Product Demand Prediction

17. Electricity Price Prediction

18. **Language Detection**

19. **Adding Labels to a Dataset for Sentiment Analysis**

20. **Pfizer Vaccine Sentiment Analysis**

21. **News Classification**

22. **Omicron Variant Sentiment Analysis**

23. **Iris Flower Classification**

24. **Water Quality Analysis**

25. **Twitter Sentiment Analysis**

26. **Squid Game Sentiment Analysis**

27. **Comparison of Classification Algorithms**

28. **Tata Motors Stock Price Prediction**

29. **Health Insurance Premium Prediction**

30. **Movie Rating Analysis for Beginners**

31. **Number of Orders Prediction**

32. **Apple Stock Price Prediction**

33. **Insurance Prediction**

34. **Worldwide Billionaires Analysis**

35. **Unemployment Analysis**

36. **Car Price Prediction Model**

37. **Spam Detection**

38. **Count Objects in Image**

39. **WhatsApp Chats Sentiment Analysis**

40. **WhatsApp Chats Analysis**

41. **Microsoft Stock Price Prediction**

42. **Covid-19 Vaccine Analysis**

43. **Video Game Sales Prediction Model**

44. **Student Grades Prediction Model**

45. **Saving a Machine Learning Model**

46. **Uber Trips Analysis**

47. **Google Search Analysis**

48. **Tesla Stock Price Prediction Model**

49. **Financial Budget Analysis**

50. **Click-Through Rate Prediction Model**

51. **Interactive Language Translator**

52. **Language Detection**

53. **Create a Chatbot with Python**

54. **Best Streaming Service Analysis**

55. **Data Science Project on President Heights**

56. **Data Science Project on Birth Rate Analysis**

57. **Data Science Project on Time Series**

58. **Data Science Project on Area and Population**

59. **A Complete Machine Learning Project Walkthrough**

60. <u>Text Summarization</u>

61. <u>Keyword Extraction</u>

62. <u>Data Science Projects on Finance</u>

63. <u>Data Science Projects on Marketing</u>

64. <u>End to end Machine Learning Projects</u>

65. <u>Machine Learning Projects on Binary Classification</u>

66. <u>Data Science Projects Based on Domains</u>

67. <u>Sarcasm Detection</u>

68. <u>Social Media Followers Prediction</u>

69. <u>Amazon Product Reviews Sentiment Analysis</u>

70. <u>Hate Speech Detection</u>

71. <u>End-to-end Hate Speech Detection System</u>

72. <u>End-to-end Fake News Detection System</u>

73. <u>End-to-end Spam Detection System</u>

74. <u>Hotel Reviews Sentiment Analysis</u>

75. <u>Real-time Gender Detection System</u>

76. <u>Dogecoin Price Prediction</u>

77. <u>Google Play Store Sentiment Analysis</u>

78. <u>Amazon Alexa Reviews Sentiment Analysis</u>

79. <u>Social Media Ads Classification</u>

80. <u>Fake News Detection</u>

81. **End-to-End Machine Learning Model**

82. **Gender Detection**

83. **Sales Prediction**

84. **Currency Exchange Rate Prediction**

85. **End-to-end Machine Learning Project**

86. **Profit Prediction Model**

87. **Automatic Time Series Forecasting**

88. **Ted-Talks Recommendation System**

89. **Real-time Sentiment Analysis**

90. **Amazon Recommendation System**

91. **Mobile Price Classification**

92. **Netflix Data Analysis**

93. **Life Expectancy Analysis**

94. **Bitcoin Price Prediction**

95. **FastAI Model**

96. **House Price Prediction**

97. **Real-Time Face Mask Detection**

98. **Netflix Recommendation System**

99. **Gold Price Prediction**

100. **Object Detection**

101. **Highest-Paid Athletes Analysis**

123. Fashion Recommendation System

124. Face Detection with Python

125. Telegram Bot with Python

126. Handwriting Recognition

127. Hate Speech Detection Model

128. Build Instagram Filters with Python.

129. Contact Tracing with Machine Learning

130. Language Classification with Machine Learning.

131. Titanic Survival Analysis

132. Image Recognition with PyTorch

133. Time Series with LSTM Model

134. Image Classification with TensorFlow

135. Text Classification with TensorFlow

136. Ridge and Lasso Regression

137. Predict Fuel Efficiency

138. Build Neural Network with Python Code

139. Genetic Algorithm with Python

140. Analyze Healthcare Data

141. Data Science Project on Text and Annotations

142. Data Science Project — Stock Price Prediction with Machine Learning

143. Data Science Project on — Classification of Text

144. **Data Science Project on-Extracting HOG Features**

145. **Data Science Project — Email spam Detection with Machine Learning**

146. **Data Science Project — Heart Disease Prediction with Machine**

147. **Data Science Project — Movie Recommendation System**

148. **Data Science Project — Student Performance Analysis with Machine Learning**

149. **Data science project — Fake News Classification**

150. **Data Science Project — Bitcoin Price Prediction with Machine Learning**

151. **Machine Learning Project — Artificial Neural Networks**

152. **Credit Card Fraud Detection with Machine Learning**

153. **SMS Spam Detection with Machine Learning**

154. **Time Series Forecasting with ARIMA Model**

155. **Natural Language Processing on WhatsApp Chats**

156. **Fake News Detection Model**

157. **Image Classification with Artificial Neural Networks**

158. **Binary Classification Model**

159. **Image Filtering with Machine Learning**

160. **WhatsApp Group Chat Analysis**

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