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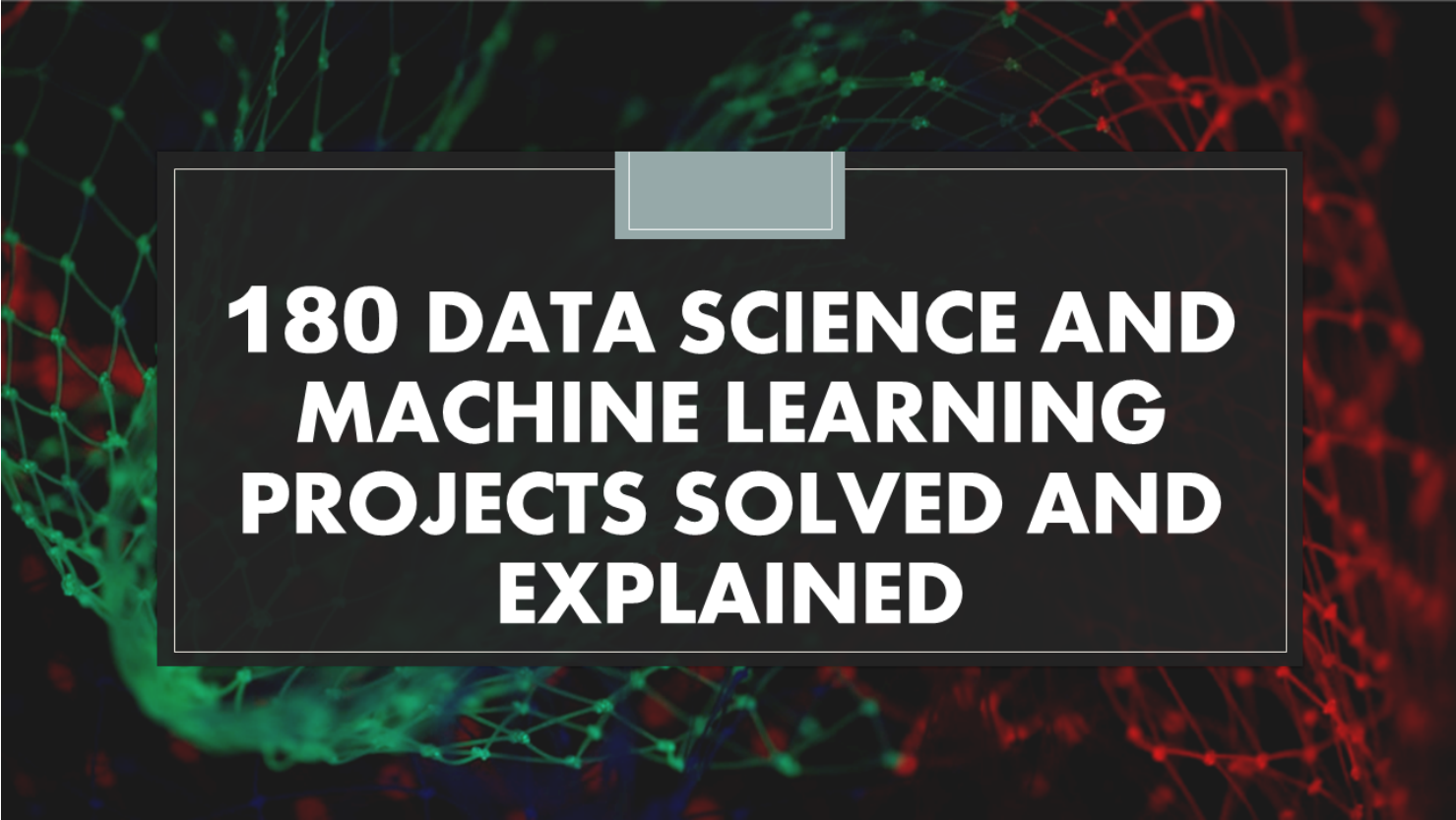
180 Data Science and Machine Learning Projects Solved and Explained with Python.

Aman Kharwal   Follow

Jan 1 · 4 min read

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. **Calories Burned Prediction**

2. **Stock Price Prediction**

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

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

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

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

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

8. **Text Summarization**

Advanced Machine Learning Projects

1. **House Price Prediction**

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

3. **Netflix Recommendation System**

4. **Named Entity Recognition**

5. **Number Plate Detection**

6. **IPL Analysis with Python**

7. **Gold Price Prediction**

8. **Object Detection**

9. **Highest-Paid Athletes Analysis**

10. **Text Generation**

11. **Spelling Correction with Python**

12. **Income Classification**

13. **Customer Churn Prediction**

14. **Language Translation Model**

15. **Resume Screening**

16. **Sign Language Classification**

17. **Online Shopping Intention Analysis**

18. **Network Graph Analysis**

19. **Keyword Extraction**

20. **Amazon Best Selling Books Analysis**

21. **Covid-19 Cases Prediction for Next 30 Days**

22. **YouTube Trending Videos Analysis**

23. **Gender Classification**

24. **Flower Recognition**

25. **Air Quality Index Analysis**

26. **Pneumonia Detection**

27. **Employee Attrition Prediction**

28. **Hand Gesture Recognition**

29. **Restaurant Recommendation System**

30. **Face mask Detection**

31. **Market Basket Analysis using Apriori Algorithm**

32. **Breast Cancer Detection**

33. **Earthquake Prediction Model**

34. **Outlier Detection**

35. **Heart Disease Prediction**

36. **Plastic Users Analysis**

37. **Landmark Detection**

38. **Chatbot with Machine Learning**

39. **Next Word Prediction Model**

40. **Age and Gender Detection with Python**

41. **Autocorrect Keyboard with Python and Machine Learning.**

42. **Machine Learning in 5 lines of code.**

43. **Deepfake Detection with Machine Learning.**

44. **Predict US Elections with Python.**

45. **Fake Currency Detection with Machine Learning.**

46. **Predict Tinder Matches with Machine Learning.**

47. **Image Segmentation**

48. **Title Generator with Python.**

49. **Build Google Search Algorithm with Python.**

50. **Face Landmarks Detection**

51. **Pencil Sketch with Python.**

52. **OpenAI Gym in Machine Learning**

53. **Machine Translation Model**

54. **Covid 19 Analysis.**

55. **Build the TikTok Algorithm with Machine Learning.**

56. **Analyze ILP Matches.**

57. **Barcode and QR code Reader with Python**

58. **Extract Text From PDF with Python.**

59. **Predict IPL Winner 2020.**

60. **Predict Car Prices.**

61. **Analyze Call Records.**

62. **Create an API with Python.**

63. **Send Custom Emails with Python.**

64. **Colour Recognition with Machine Learning.**

65. **Create a 3D Video Animation.**

66. **Graph Algorithms in Machine Learning.**

67. **Image Features Extraction.**

68. **Rainfall Prediction with Machine Learning.**

69. **Classify Nationalities with Machine Learning.**

70. **Fraud Detection with Machine Learning.**

71. **Topic Modeling with Python**

72. **Named Entity Recognition**

73. **WhatsApp Group Chat Analysis**

74. **Translate Languages Using Python**

75. **Network Security Analysis**

76. **Bar Chart Race with Python**

77. **Keyword Research with Python**

78. **Fashion Recommendation System**

79. **Face Detection with Python**

80. **Emotion Detection Model**

81. **Telegram Bot with Python**

82. **Handwriting Recognition**

83. **Visualize a Solar System with Python.**

84. **Hate Speech Detection Model**

85. **Build Instagram Filters with Python.**

86. **Contact Tracing with Machine Learning**

87. **Deploy a Chatbot with Python into a Web Application**

88. **Summarize Text with Machine Learning**

89. **Language Classification with Machine Learning.**

90. **OTP Verification GUI with Python**

91. **Create an Audiobook with Python**

92. **Titanic Survival Analysis**

93. **Image Recognition with PyTorch**

94. **Gender Classification Model**

95. **Daily Births Forecasting**

96. **Binary Search Algorithm**

97. **Galaxy Classification with Machine Learning**

98. **Time Series with LSTM Model**

99. **Image Classification with TensorFlow**

100. **Predict Weather with Machine Learning**

101. **Create a Package with Python**

102. **Computer Vision with Python**

103. **Diamonds Analysis with Python**

104. **Text Classification with TensorFlow**

105. **Image Segmentation with Python**

106. **Ridge and Lasso Regression**

107. **Predict Fuel Efficiency**

108. **ABC Analysis with Python**

109. **Lung Segmentation with Machine Learning**

110. **RFM Analysis with Python**

111. **Build Neural Network with Python Code**

112. **Genetic Algorithm with Python**

113. **Predict Migration with Machine Learning**

114. **Analyze Healthcare Data**

115. **NLP For Other Languages**

116. **Data Science Project on Text and Annotations**

117. **Data Science Project on — Handwritten Digits**

118. **Data Science Project on- Support Vector Machines**

119. **Data Science Project — Stock Price Prediction with Machine Learning**

120. **Data Science Project on — Classification of Text**

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

122. **Data Science Project on — Amazon Products Reviews Sentiment Analysis with Machine Learning**

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

124. **Data Science Project — Heart Disease Prediction with Machine Learning**

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

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

127. **Data Science Project on FIFA Analysis with python**

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

129. **Data Science Project — DNA Sequencing with Machine Learning**

130. **Data Science Project — Book Recommendation System with Machine Learning**

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

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

133. **Algorithmic Trading Strategy with Machine Learning and Python**

134. **Movie Reviews Sentiment Analysis -Binary Classification with Machine Learning**

135. **Data Science Project — Supermarket Sales Analysis**

136. **Data Science Project — GDP Analysis**

137. **Data Science Project — Predict Customer Churn with Python and Machine Learning**

138. **Data Science Project — San Francisco Crime Analysis**

139. **Machine Learning Project — Human Activity Recognition using Smartphone Data**

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

141. **Weather Forecasting with Machine Learning**

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

143. **Covid-19 Detection with Machine Learning and AI**

144. **Customer Segmentation with Machine Learning**

145. **Employee Turnover Prediction with Machine Learning**

146. **Predict Diabetes with Machine Learning**

147. **Image Classification with PyTorch**

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

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

150. **Fake News Detection Model**

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

152. **Binary Classification Model**

153. **Data Augmentation with Deep Learning**

154. **Next Word Prediction Model.**

155. **Image Segmentation**

156. **XGBoost Algorithm in Machine Learning**

157. **Face Landmarks Detection**

158. **Image Filtering with Machine Learning**

159. **Audio Feature Extraction**

160. **Machine Translation Model**

161. **Gender Classification Model**

162. **Create a 3D Video with Python and Machine Learning.**

163. **Named Entity Recognition**

164. **WhatsApp Group Chat Analysis**

165. **Translate Languages Using Python**

166. **Covid-19 Projects with Machine Learning**

167. **Deep Learning Projects with Machine Learning**

168. **Recommendation System Projects with Machine Learning**

169. **Sentiment Analysis Projects with Machine Learning**

170. **Classification Projects For Machine Learning**

171. **Regression Projects for Machine Learning**

172. **Chatbot Projects with Python**

173. **Machine Learning Projects on Future Prediction**

I hope you liked this article on more than 180 data science and machine learning projects solved and explained by using the Python programming language. Feel free to ask your valuable questions in the comments section below.

Sign up for Daily Newsletters

By Coders Camp

Daily Newsletters Take a look

Your email

Get this newsletter

By signing up, you will create a Medium account if you don't already have one. Review our Privacy Policy for more information about our privacy practices.

Machine Learning   Artificial Intelligence   Data Science   Python   Programming

About   Help   Legal

Get the Medium app