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## Top 10 Data Science Projects with Python

✓■ 10 Datasets

✓■ 10 Projects with solution



1■■ Project: Detecting Spam

✓■ Big email dataset

✓■ 35.000+ spam and ham messages

✓■ Learn how to filter

<https://t.co/wvNSeFSbmr>

Solution ■■

1■■ Solution: Detecting Spam

✓■ How to build a spam filter

✓■ Using Scikit-learn

✓■ Naive-Bayes and SVM



<https://t.co/sHI1PAG6Do>

2■■ Project: Music Recommendation

✓■ Million Song Dataset

✓■ Metadata for a million songs

<https://t.co/QgdSdIYnVV>

Solution ■■

2■■ Solution: Music Recommendation

- ✓■ Using Tableau
- ✓■ Collaborative-filtering engine
- ✓■ Similar to YouTube music

<https://t.co/UEKWHsdfc0>

3■■ Project: House Price Prediction

- ✓■ California Housing Data
- ✓■ Great beginner Data Science project

<https://t.co/73GBMD1hRc>

Solution ■■

3■■ Solution: House Price Prediction

- ✓■ Full 10-step workflow
- ✓■ Solution inspired by Hands-on ML book
- ✓■ Great training tutorial

<https://t.co/NKW8r5AQkp>

■■

4■■ Project: NBA Analytics

- ✓■ Is 2-for-1 play in basketball an advantage?
- ✓■ Data scraped from Basketball-Reference

<https://t.co/haS5rpdUWI>

Solution ■■

4■■ Solution: NBA Analytics

- ✓■ Use Seaborn for heatmap
- ✓■ Use SciPy for stats
- ✓■ Includes a scraper

■■

<https://t.co/Cj5FdUDGRT>

#### 5■■■ Project: Movie Review Sentiment

- ✓■ IMDB movie review dataset
- ✓■ 50,000+ reviews

<https://t.co/O4nzHayMU1>

Solution ■■

#### 5■■■ Solution: Movie Review Sentiment

- ✓■ Predict positive and negative reviews
- ✓■ Sentiment classification model
- ✓■ Use NLTK

<https://t.co/mbuJMPz922>

■■

#### 6■■■ Project: Face Swapping

- ✓■ Swap one face to another
- ✓■ Great for learning OpenCV

Solution ■■

#### 6■■■ Solution: Face Swapping

- ✓■ Use OpenCV
- ✓■ 8 step tutorial
- ✓■ Landmark points on images

■■

<https://t.co/PGhKTGdHfb>

#### 7■■■ Project: Fake News Detection

- ✓■ Scrape News
- ✓■ Learn how to detect Fake News

Solution ■■

<https://t.co/cqoZiSFuPG>

## 7■■ Solution: Fake News Detection

- ✓■ Use Natural Language Processing
- ✓■ Includes dataset
- ✓■ Learn to clean data

■■

<https://t.co/bj9gbaUTOV>

## 8■■ Project: Chatbot from Scratch

- ✓■ Make your own Chatbot
- ✓■ Use NLTK and Keras
- ✓■ Solution in project

■■

<https://t.co/62d69VB0p4>

## 9■■ Project: Forest Fire Damage

- ✓■ Forest Fire Dataset
- ✓■ Predict the burned areas of forest fires
- ✓■ Use meteorological data

Solution ■■

<https://t.co/TrcBUOxi7u>

## 9■■ Solution: Forest Fire Damage

- ✓■ Use Seaborn for visualization
- ✓■ Learn statistical approach
- ✓■ Feature Selection techniques

■■

<https://t.co/0t8ldpyzRf>

## ■ Project: Cheap Housing on Craigslist

- ✓■ Scrape your own data
- ✓■ Use Scrapy
- ✓■ Solution in project

■■

<https://t.co/IDvZVLcgjl>

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