



# Intelligent Browsing with YouTube

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# How to install and setup the software

- Clone from Github:
- Go to folder where code is downloaded
- Set up virtual environment
  - Recommendation is to use conda. If so, use “conda -create -n <env> python=3.5”
- Install the following packages: “pip install flask”, “pip install youtube-transcript-api”, “pip install rank\_bm\_25”
- If Windows, run “set FLASK\_APP=youtube\_ranker.py”
- If Mac run “export FLASK\_APP=youtube\_ranker.py”
- Run “flask run”
- Open up the corresponding webpage
- Enter in a query to search and click enter
- The results will be displayed



## How to use the software

- Go to the corresponding webpage as seen in the code
- Enter a query to search for and press enter
- The results will be displayed on screen with the top result being the most relevant from the provided search query



# Tutorial



## Running the test case

- Five machine learning YouTube urls
- Query of “machine learning”

# Search

1. Computer Scientist Explains Machine Learning in 5 Levels of Difficulty | WIRED
2. Machine Learning Basics | What Is Machine Learning? | Introduction To Machine Learning | Simplilearn
3. 11. Introduction to Machine Learning
4. Machine Learning Course for Beginners
5. Machine Learning & Artificial Intelligence: Crash Course Computer Science #34

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5 LEVELS S1 • E14

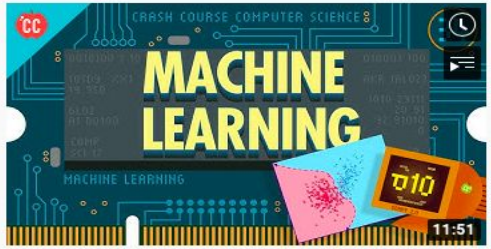
### Computer Scientist Explains Machine Learning in 5 Levels of Difficulty | WIRED

752K views • 3 months ago

WIRED

WIRED has challenged computer scientist and Hidden Door cofounder and CEO Hilary Mason to explain machine learning to 5 ...

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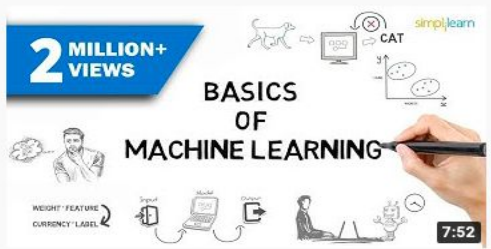
### Machine Learning & Artificial Intelligence: Crash Course Computer Science #34

704K views • 4 years ago

CrashCourse

So we've talked a lot in this series about how computers fetch and display data, but how do they make decisions on this data?

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### Machine Learning Basics | What Is Machine Learning? | Introduction To Machine Learning | Simplilearn

2.4M views • 3 years ago

Simplilearn

Below topics are explained in this Machine Learning basics video: 1. What is Machine Learning? ( 00:21 ) 2. Types of Machine ...



### 11. Introduction to Machine Learning

1.1M views • 4 years ago

MIT OpenCourseWare

In this lecture, Prof. Grimson introduces machine learning and shows examples of supervised learning using feature vectors.

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# Video Link

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