

College Helper

Group

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1. What does College Helper do?

College Helper is mainly for high school students to get recommendations based on their preference and explore information on colleges and careers.

Our goal is "To make application information both accessible and transparent to ALL students."

Users can do 4 things in College Helper:

1. See recommended colleges base on your preference
2. See top level stats about colleges
3. Browse careers
4. Search colleges

2. How to use it?

2.1 Install Anaconda with Python 3.8

Download Link: <https://www.anaconda.com/products/individual#Links>

Then follow the instruction to install it.

2.2 Build the environment

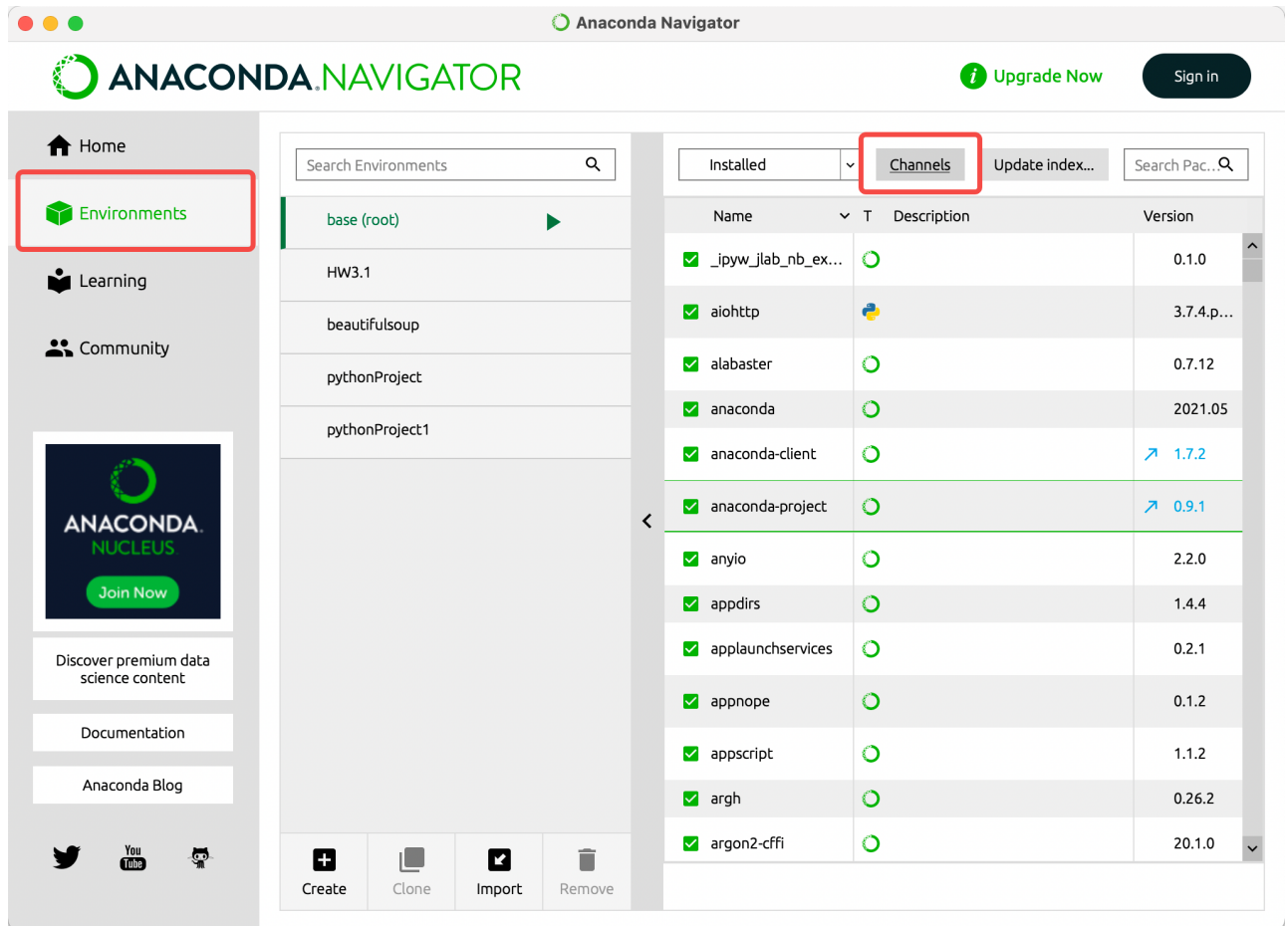
Follow the below instructions or you can just use our 'environment.yaml' to create your own environment

```
conda env create -f environment.yaml
```

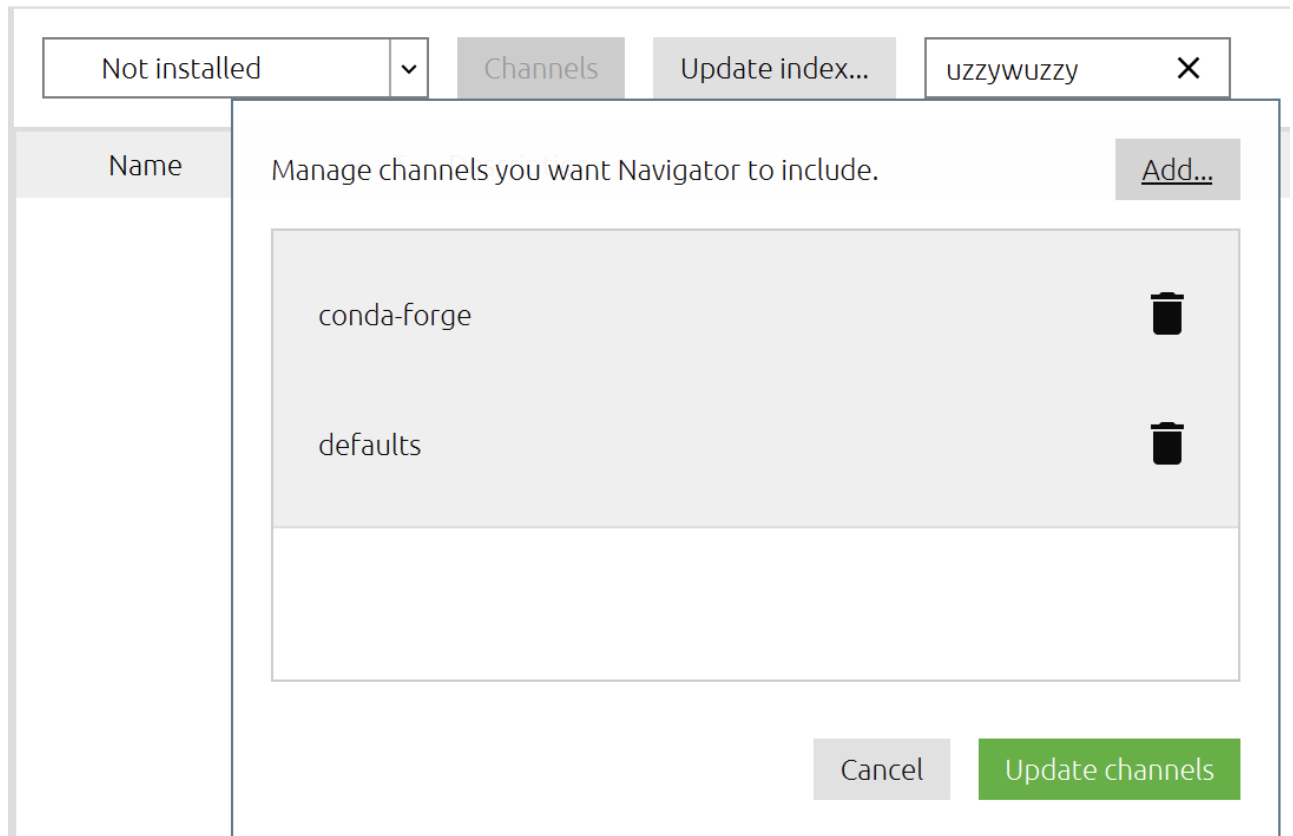
else:

1. Open Anaconda Navigator

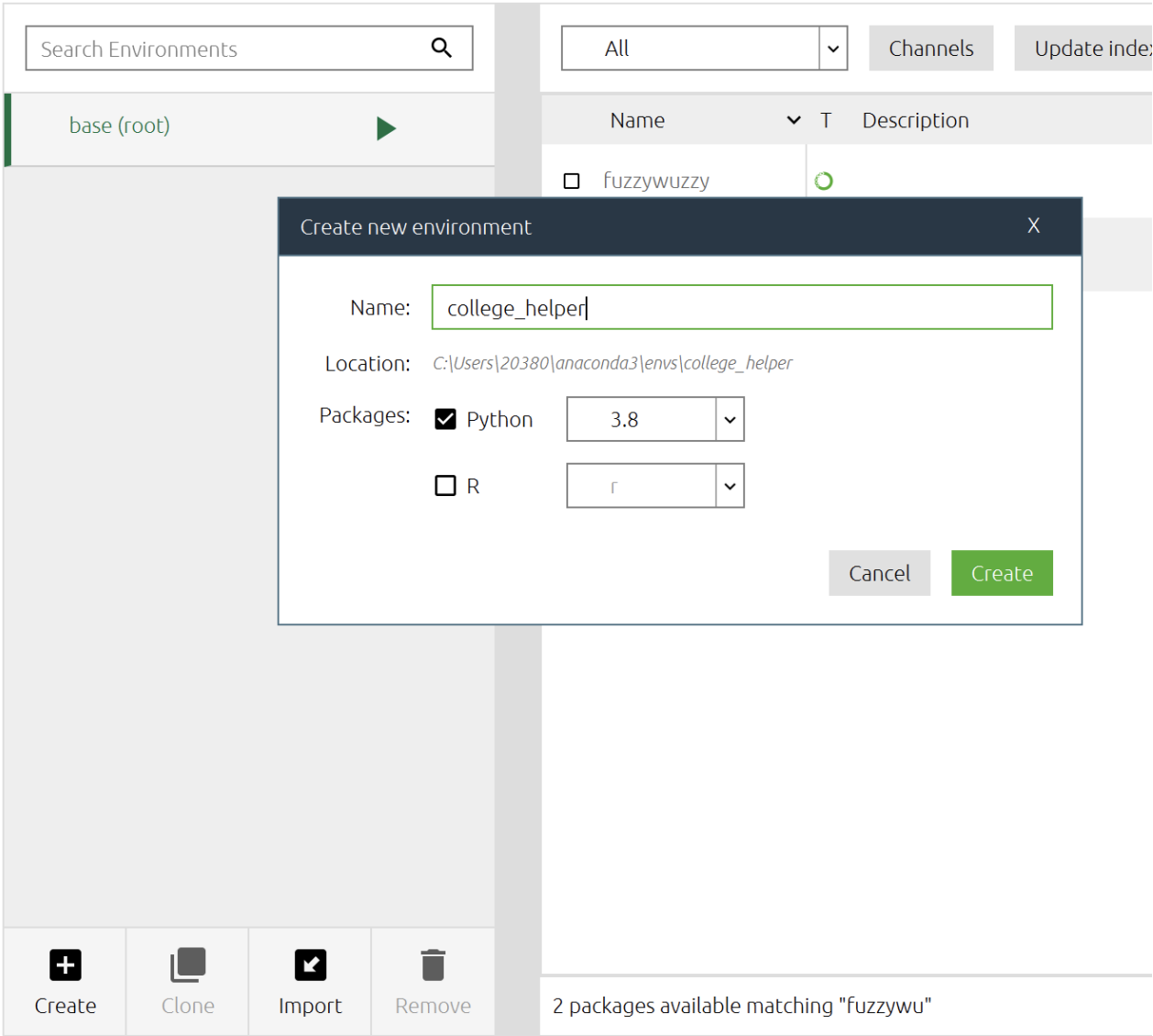
2. Click "Environments", then click "Channels"



3. Click "add" and type "conda-forge", then click "update channels"



4. Create new environment named "college_helper", tick "Python 3.8"



5. Search for the following packages and install them

All

Channels

Update index...

fuzzywuzzy

| Name | T | Description | Version |
|--|---|-------------|---------|
| <input checked="" type="checkbox"/> fuzzywuzzy | | | 0.18.0 |
| <input type="checkbox"/> r-fuzzywuzzyr | | | 1.0.3 |

2 packages available matching "fuzzywuzzy" 1 package selected

ApplyClear

All

Channels

Update index...

pandas X

| Name | T | Description | Version |
|--|---|---|---------|
| <input type="checkbox"/> modin-ray | | Speed up your pandas workflows by changing a single line of code | 0.11.0 |
| <input type="checkbox"/> movingpandas | | | 0.7rc1 |
| <input checked="" type="checkbox"/> pandas | | High-performance, easy-to-use data structures and data analysis tools. | 1.3.3 |
| <input type="checkbox"/> pandas-alive | | | 0.2.4 |
| <input type="checkbox"/> pandas-compat | | | 0.1.1 |
| <input type="checkbox"/> pandas-datapackage-reader | | | 0.18.0 |
| <input type="checkbox"/> pandas-datareader | | Up to date remote data access for pandas, works for multiple versions of pandas | 0.9.0 |
| <input type="checkbox"/> pandas-flavor | | | 0.2.0 |
| <input type="checkbox"/> pandas-gbq | | | 0.9.0 |
| <input type="checkbox"/> pandas-highcharts | | | 0.5.2 |
| <input type="checkbox"/> pandas-msgpack | | | 0.1.4 |

52 packages available matching "pandas" 1 package selected

Apply Clear

All

Channels

Update index...

openpyxl X

| Name | T | Description | Version |
|--|---|---|---------|
| <input checked="" type="checkbox"/> openpyxl | | A python library to read/write excel 2010 xlsx/xlsm files | 3.0.9 |

1 package available matching "openpyxl" 1 package selected

Apply Clear

All

Channels

Update index...

matplotlib X

| Name | T | Description | Version |
|--|---|--|---------|
| <input type="checkbox"/> basemap | | Plot on map projections using matplotlib | 1.3.0 |
| <input type="checkbox"/> basemap-data-hires | | Plot on map projections (with coastlines and political boundaries) using matplotlib. | 1.2.2 |
| <input type="checkbox"/> descartes | | Use geometric objects as matplotlib paths and patches. | 1.1.0 |
| <input type="checkbox"/> ipympl | | Matplotlib jupyter extension | 0.8.0 |
| <input checked="" type="checkbox"/> matplotlib | | Publication quality figures in python | 3.4.3 |

All

Channels

Update index...

basemap X

| Name | T | Description | Version |
|---|---|--|---------|
| <input checked="" type="checkbox"/> basemap | | Plot on map projections using matplotlib | 1.3.0 |
| <input type="checkbox"/> basemap-data-hires | | Plot on map projections (with coastlines and political boundaries) using matplotlib. | 1.2.2 |

2 packages available matching "basemap" 1 package selected

ApplyClear

All

Channels

Update index...

beautiful X

| Name | T | Description | Version |
|--|---|--|---------|
| <input checked="" type="checkbox"/> beautifulsoup4 | | Python library designed for screen-scraping | 4.9.3 |
| <input type="checkbox"/> beautifultable | | | 1.0.1 |
| <input type="checkbox"/> cleo | | Cleo allows you to create beautiful and testable command-line interfaces. | 0.8.1 |
| <input type="checkbox"/> clickit | | Clickit is a group of utilities to build beautiful and testable command line interfaces. | 0.6.2 |
| <input type="checkbox"/> proto-plus | | Beautiful, pythonic protocol buffers. | 1.19.2 |
| <input type="checkbox"/> soupsieve | | A modern css selector implementation for beautifulsoup | 2.2.1 |
| <input checked="" type="checkbox"/> sphinx | | Sphinx is a tool that makes it easy to create intelligent and beautiful documentation | 4.2.0 |

7 packages available matching "beautiful" 1 package selected

Apply Clear

All

Channels

Update index...

selenium X

| Name | T | Description | Version |
|---|---|---|---------|
| <input type="checkbox"/> axe-selenium-python | | | 2.1.6 |
| <input type="checkbox"/> pytest-selenium | | Pytest-selenium is a plugin for py.test that provides support for running selenium based tests. | 2.0.1 |
| <input type="checkbox"/> r-seleniumpipes | | | 0.3.7 |
| <input type="checkbox"/> robotframework-s... | | | 5.1.3 |
| <input type="checkbox"/> robotframework-seleniumscreenshots | | | 0.9.5 |
| <input type="checkbox"/> robotframework-seleniumtestability | | | 1.1.0 |
| <input checked="" type="checkbox"/> selenium | | Python bindings for the selenium webdriver for automating web brows... | 3.9.0 |
| <input type="checkbox"/> selenium-requests | | | 1.3 |

8 packages available matching "selenium" 1 package selected

Apply

Clear

2.3 Run the college_helper.py

1. Install Spyder on the current environment.

2. Applications on "college_helper"

Applications on

college_helper


Channels

Online Data Analysis Tool with smart coding assistance by JetBrains. Edit and run your Python notebooks in the cloud and share them with your team.

Launch

IBM Watson Studio Cloud tools to analyze and visualize data, to create learning models. Prepare models, using open source or visual models.

Launch




Spyder

5.1.5

Scientific PYTHON Development Environment. Powerful Python IDE with advanced editing, interactive testing, debugging and introspection features

Launch



anypyto

1.7.5

Install

3. Launch Spyder to run the college_helper.py

2.4 Navigating the Application & Demo Video

Menu:

1. See recommended colleges base on your preference
2. See top level stats about colleges
3. Browse careers
4. Search colleges

5. Refresh data - Only refreshes data that does not need a WebDriver. To collect all data, make sure you set the Edge Driver path in the `fetch_all_data.py` file and uncomment the code line in `refresh_all_data()` method.
6. Help! - Shows our dear client what our application will do for them

Demo video: <https://www.youtube.com/watch?v=V7iRnBtlZ7c>