

## Product Research, Dataset Creation & Cleaning

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- <https://www.nespresso.com/uk/en/home>
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- <https://nespressoguide.com/>
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## Exploratory Data Analysis (Jupyter Notebook)

- <https://stackoverflow.com/questions/48238305/bar-plot-with-groupby>
- <https://stackoverflow.com/questions/29188757/specify-format-of-floats-for-tick-labels>
- <https://www.geeksforgeeks.org/how-to-create-a-stacked-bar-plot-in-seaborn/>
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- [https://seaborn.pydata.org/tutorial/color\\_palettes.html](https://seaborn.pydata.org/tutorial/color_palettes.html)
- <https://stackoverflow.com/questions/70261165/how-to-change-the-order-of-columns-and-plot-images-side-by-side-with-seaborn-in>
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## Data Analysis, Machine Learning & Natural Language Processing

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- <https://www.kaggle.com/code/jbencina/clustering-documents-with-tfidf-and-kmeans/notebook>
- [https://scikit-learn.org/stable/modules/generated/sklearn.feature\\_extraction.text.TfidfVectorizer.html](https://scikit-learn.org/stable/modules/generated/sklearn.feature_extraction.text.TfidfVectorizer.html)
- [https://scikit-learn.org/stable/modules/generated/sklearn.feature\\_extraction.text.CountVectorizer.html#sklearn.feature\\_extraction.text.CountVectorizer](https://scikit-learn.org/stable/modules/generated/sklearn.feature_extraction.text.CountVectorizer.html#sklearn.feature_extraction.text.CountVectorizer)
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- [https://www.reddit.com/r/learnmachinelearning/comments/6evguc/while\\_building\\_a\\_tfidf\\_determining\\_a\\_good\\_balance/](https://www.reddit.com/r/learnmachinelearning/comments/6evguc/while_building_a_tfidf_determining_a_good_balance/)
- <https://www.sciencedirect.com/topics/computer-science/cosine-similarity>
- <https://stackoverflow.com/questions/46118910/scikit-learn-vectorizer-max-features>

- [https://canvas.eee.uci.edu/courses/9097/files/3341307/download?download\\_frd=1](https://canvas.eee.uci.edu/courses/9097/files/3341307/download?download_frd=1)
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#### Machine Learning Web Application (Plotly Dash)

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- <https://dash.plotly.com/dash-html-components/h1>
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- <https://dash.plotly.com/dash-core-components/rangeslider>
- <https://stackoverflow.com/questions/50213761/changing-visibility-of-a-dash-component-by-updating-other-component>
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- <http://dash-bootstrap-components.opensource.faculty.ai/docs/components/jumbotron/>
- <http://dash-bootstrap-components.opensource.faculty.ai/docs/components/accordion/>
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- <https://dash.plotly.com/datatable/width>
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- <https://www.adamsmith.haus/python/answers/how-to-format-currency-in-python>
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- <http://dash-bootstrap-components.opensource.faculty.ai/docs/components/collapse/>
- <https://plotly.com/python/horizontal-bar-charts/>
- <https://plotly.com/python/bar-charts/>
- <http://dash-bootstrap-components.opensource.faculty.ai/docs/components/tabs/>
- <https://www.youtube.com/watch?v=d2E-pU4H2gc>
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- <https://plotly.com/python/tick-formatting/>
- <https://stackoverflow.com/questions/68061197/re-order-axis-in-plotly-graph>
- <https://stackoverflow.com/questions/59221514/python-drop-down-change-content-color>

- <https://plotly.com/python/heatmaps/>
- <https://plotly.com/python/builtin-colorscales/>
- <https://community.plotly.com/t/allow-user-to-create-new-options-in-dcc-dropdown/8408/2>
- <https://github.com/plotly/dash-recipes/blob/master/dash-append-element-dropdown-options.py>

#### Deployment to Render Platform (Heroku Alternative)

- <https://community.plotly.com/t/migrating-from-heroku-how-to-use-render-to-deploy-a-python-dash-app-solution/68048>
- <https://www.youtube.com/watch?v=H16dZMYmvqo&list=LL&index=2>