Data Analyst/ Business Analyst

Erik Kostanyan

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Languages

- English
- Dutch
- French
- Armenian

Skills

- Front-end: React JS, Next JS
- Back-end: Django, PHP
- Server: Apache, NGINX
- SQL: SQL Server, MySQL, PostgreSQL, MongoDB
- Python: Pandas, NumPy, SciPy, MatPlotLib, seaborn, Plotly, Dash
- Dashboard: Tableau, Power BI
- AI: Keras, TensorFlow, HuggingFace, Scikit-Learn
- Apache: Kafka, Spark, Airflow
- Docker, GitHub

Projects

French Real Estate (end-to-end project) – Personal Project

- Collected data from different sources (Kaggle, French government) to get insights on the relation between interest rates and dwelling prices in France.
- Analyzed the data in Python with Pandas and Numpy, created visualizations with Plotly and Dash.
- Based on these insights, I decided to create a report around this project in the form of a website, written with Django in Python.
  Also, I added a dashboard to the website where you can select French cities to visualize the historic relation between the prices in that city and the interest rate changes.
- The website is live at: https://erikkostanyan.pythonanywhere.com

Trigger Word Detection (Deep Learning Model) – Personal Project

- I combined individual audio fragments to create a training data set.
  Because we created the training data set ourselves, we can also generate the complementary Y-values for every training example.
- Applied Fourier Transform to each new fragment to transform the wave files to spectrograms, this way we have complete information about each audio fragment and we can start training a model
- Because we transformed the wave files to spectrograms earlier, we can build a recurrent model that relies on Convolutional layers to identify trends and features in the data.
- To end the project we applied the model on a test set and used some custom Python function to visualize the results in an intuitive way.

Education & Certificates

Google Data Analytics Professional Certificate - Coursera

Certificate Deep Learning Specialization - DeepLearningAi