

AnimeRex: Anime Recommender System

Getting Started

Dependencies

- scikit-surprise
- Django
- Pandas
- Joblib

```
pip install -r requirements.txt
```

Data

The data used in this project is from the Kaggle dataset [MyAnimeList Dataset](#). Download and extract the data into the `archive` directory on the root level.

Usage

```
cd cs510_final_project  
python manage.py runserver
```

Retrain and Replace Model

Retrain and Evaluate the Model

In order to use a different algorithm, modify

`cs510_final_project/anime_recommendation_system/api/recommend.py` and create a new method to train the model, which uses a new `algo` variable as well as a different filename for the model.

Running the following script will train the model, run the evaluation, and save the model. This script

can be ran exclusive from Django.

```
python recommend.py
```

Replace the Model

To replace the model, change the `model_name` parameter for the `ALGO` variable in `cs510_final_project/anime_recommendation_system/views.py` .