

AI2S Winter Datathon 2021: A 24-Hour Data Science Open Challenge!

OVERVIEW: CRYPTO ART

Crypto Art is a rising art movement that associates digital artworks with non-fungible asset tokens. It draws its origins from conceptual art, sharing the immaterial and distributive nature of artworks, the tight blending of artworks with currency and the rejection of conventional art market and institutions. Similar to traditional artwork, the concept allows you to buy, sell and trade digital goods as if they were physical. Collectors of Crypto Art are overwhelmed with choices, reason why matching consumers with the most appropriate artworks is the key to enhancing user satisfaction.

PROBLEM STATEMENT

Given a set of features of artworks and a set of buy/sell transactions made by several collectors, the goal is predicting the interest of the different collectors to the related art pieces. Different methods can be used to solve this problem (e.g. recommender systems) but any creative solution is welcomed and encouraged!

APPROACH

The approach taken was to

- Review the data (train and test)
- Apply different machine learning models
- Review the models and select the one that had the best RMSE

OUTCOME

From the different machine learning models the best model was XgBoost.