

Monument Identification

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Overview

- Problem statement
- Objective
- Dataset
- Technologies to be used

Problem Statement

Given a picture, can we recognize the monument?

Objective

- To recognise the monuments
- Compare the accuracy of different algorithms



Dataset

- Google Landmark Recognition Dataset
 - 1,225,029 training images with 14,951 landmarks
 - 117,703 test images
 - Image aren't evenly distributed
- Used reduced dataset
 - 250 training images with 5 landmarks
 - 25 test images

Technologies to be used


- Language- Python 3
- ML algorithms- KNN, SVM
- OpenCV
- Oriented FAST and Rotated BRIEF (ORB)- Feature detection


Day 1 progress


 **GitLab** Projects ▾ Groups ▾ Activity Milestones Snippets 

M

Monument Identification

 Project

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 Issues 4

List

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Labels

Milestones


 Merge Requests 0

WE2019 > Projects > Monument Identification > Issues


Open 4 Closed 0 All 4

 ▾ Search or filter results...


web scrape images from train.csv url's

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Feature Extraction from Images

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Explore ML algorithms

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Explore dataset

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Discussions