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Master Degree in Data Science Engineering
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First Person Action Recognition

Project Description

2nd Semester | 10 July 2020

Table of Contents

Introduction

Overview

Introduction

Introduction 1/4

Goal:

- Record videos with the same cameraman's point of view;
- Recognize the actions performed by the subject;

Introduction 2/4

Interested Areas:

- Android intelligence;
- Autonomous driving;
- Surveillance;
- Loyalizing users' experience;

Introduction 3/4

Issues:

- Small datasets;
- Presence of parts of the cameraman's body in the video;
- The action must be represented by a *verb + noun*;

Introduction 3/4

Interested Areas:

- Android intelligence;
- Autonomous driving;
- Surveillance;
- Loyalizing users' experience;

Introduction 4/4

Solutions:

- Sales of wearable devices;
- Incrementing chance of having at hand a camera;
- Incrementing number of images taken every day [1];
- Deeper neural networks;

References



Caroline Cakebread

“People will take 1.2 trillion digital photos this year – thanks to smartphones”

Businessinsider.com, 1 September 2017

Available at:

<https://www.businessinsider.com/12-trillion-photos-to-be-taken-in-2017-thanks-to-smartphones-chart-2017-8?IR=T>

The End

Thank you for your attention!

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