

Data Extraction



Android Application

The patient logs into the app and data gets recorded automatically based on prefixed time.

Data :

- Phone calls
- Accelerometer
- Facebook posts

Storage

Patient Related

- General informations
- Facebook data
- Activity
- Audio related features
- Result State



FTP
SERVER

Files

- WAV files
- CSV files

Data Analysis

Feature engineering

Features extraction from both **CSV files** containing **RAW Accelerometer data** and **WAV files** corresponding to the phone calls of every patient.



Raw data

Features

Prepared Features



Machine learning

Predict

Data

- Train a classifier based on extracted features from ground truth data

Data Visualization

A Dashboard web application for the psychiatrist to monitor her patients

