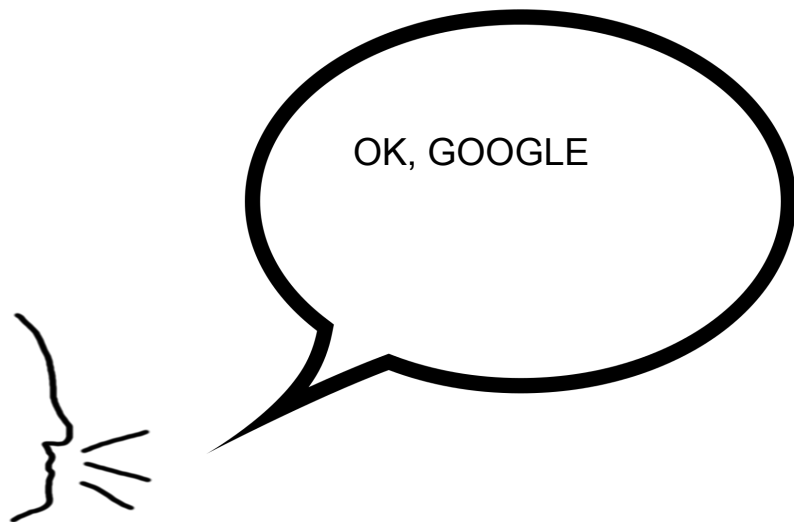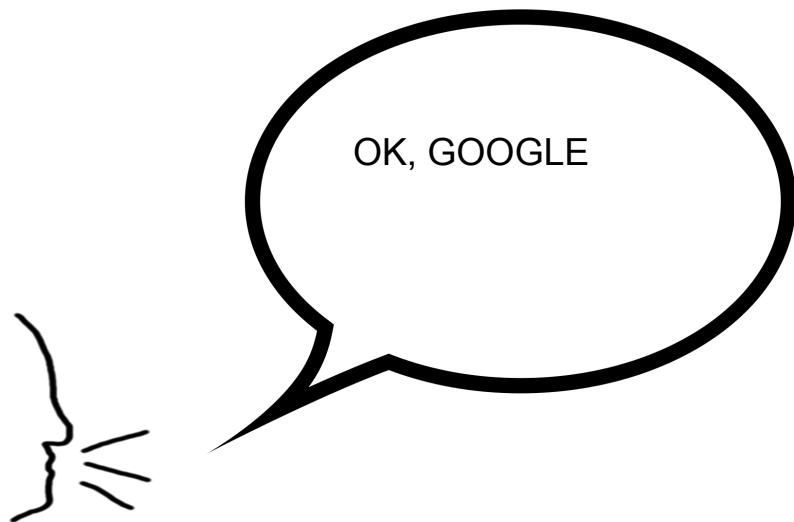# Speech and Natural Language Processing

#3. Practical Work I
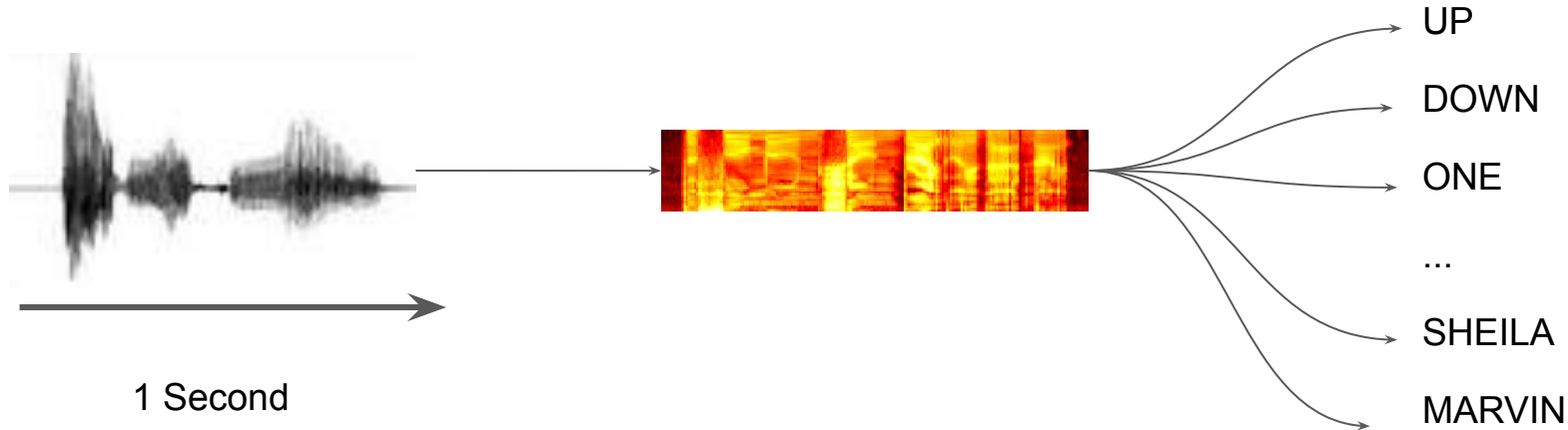
OK, GOOGLE

Google AI Blog: Launching the Speech Commands Dataset

OK, GOOGLE

Google AI Blog: Launching the Speech Commands Dataset

Part I: Classification of commands
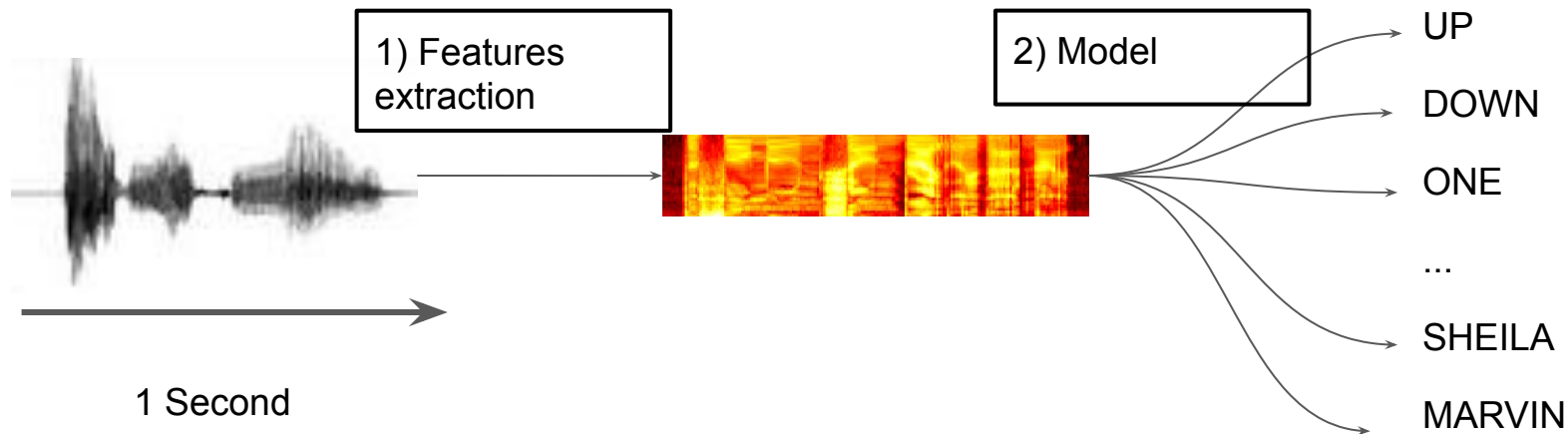
1 Second

UP

DOWN

ONE

...

SHEILA

MARVIN

Part I: Classification of commands

1) Features extraction

1 Second

2) Model

UP

DOWN

ONE

...

SHEILA

MARVIN

Part 2: Predict sequence of commands

Part 2: Predict sequence of commands

UP
DOWN
ONE
...
SHEILA
MARVIN

UP
DOWN
ONE
...
SHEILA
MARVIN

UP
DOWN
ONE
...
SHEILA
MARVIN

UP
DOWN
ONE
...
SHEILA
MARVIN

1 Second

1 Second

1 Second

1 Second

Part 2: Predict sequence of commands

UP
DOWN
ONE
...
SHEILA
MARVIN

UP
DOWN
ONE
...
SHEILA
MARVIN

UP
DOWN
ONE
...
SHEILA
MARVIN

UP
DOWN
ONE
...
SHEILA
MARVIN

1 Second   1 Second   1 Second   1 Second
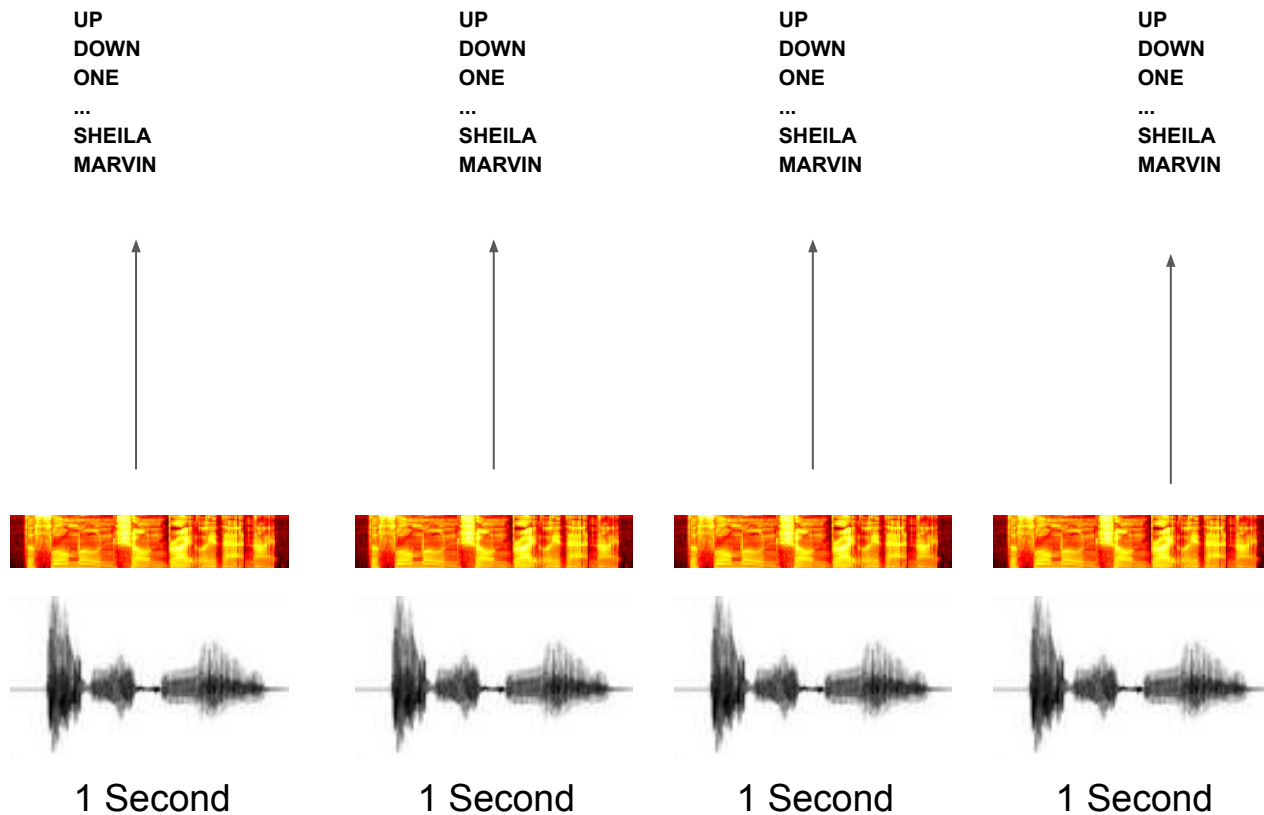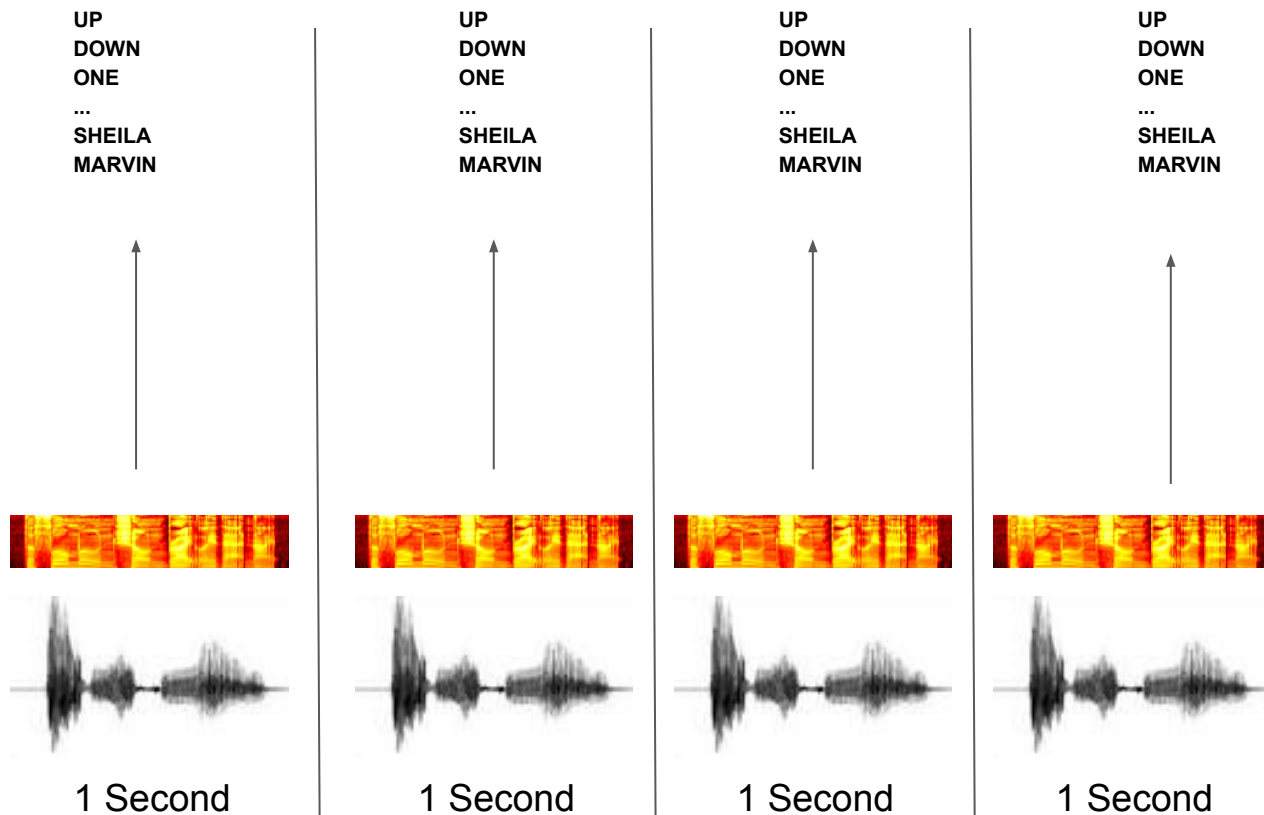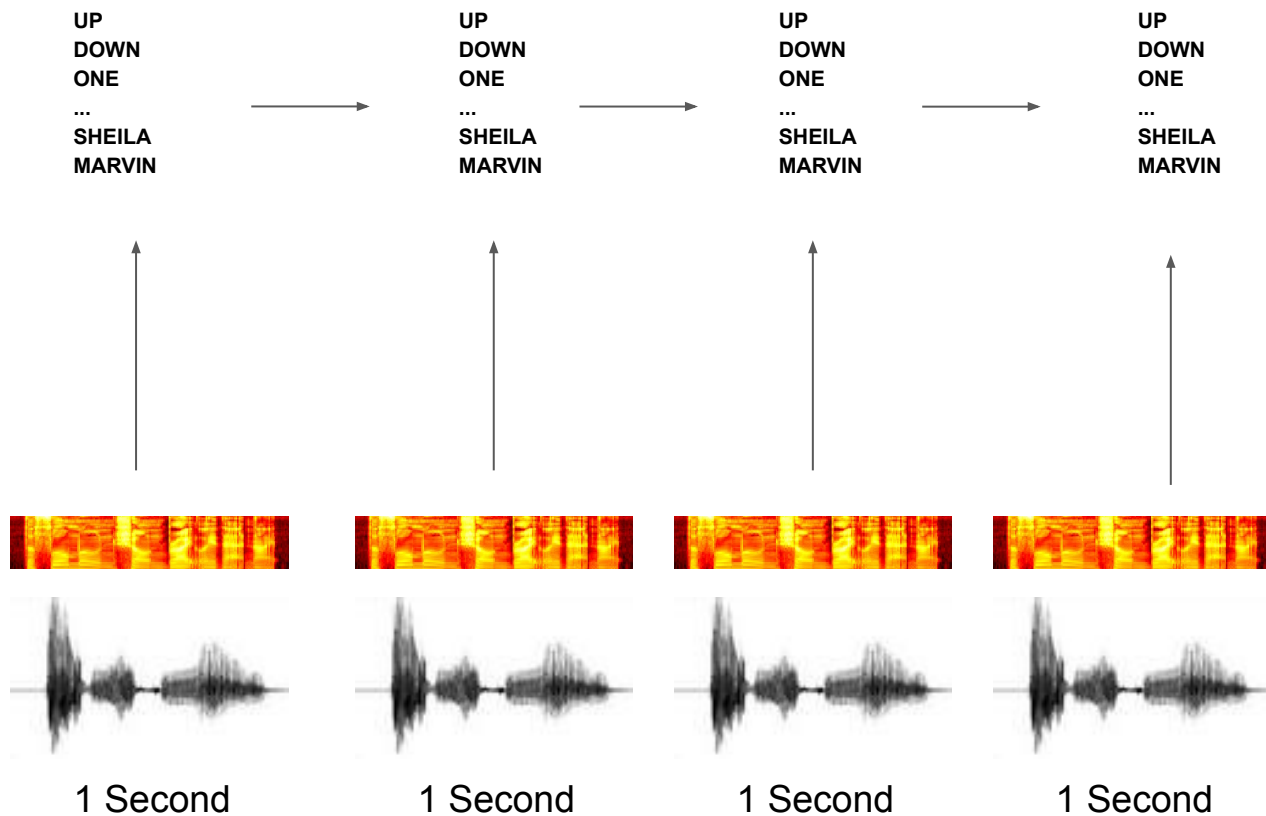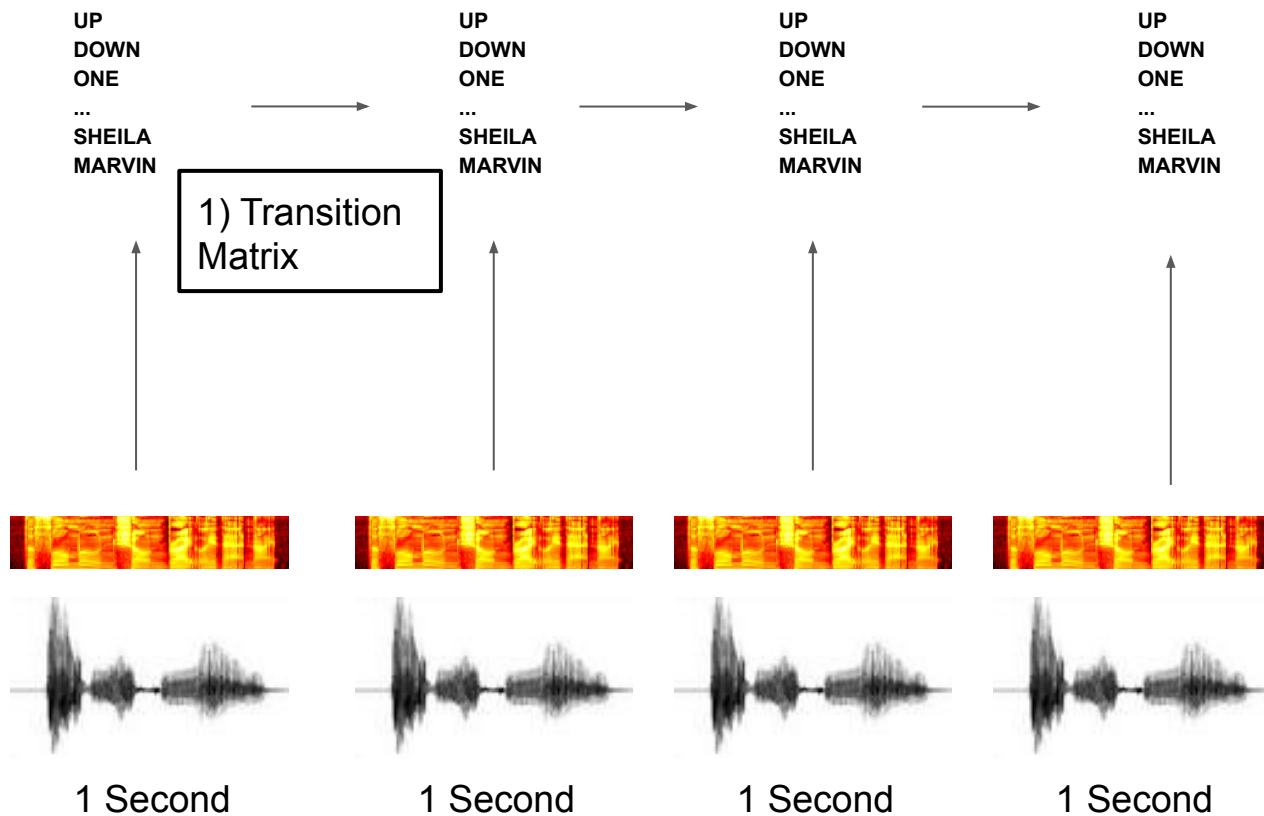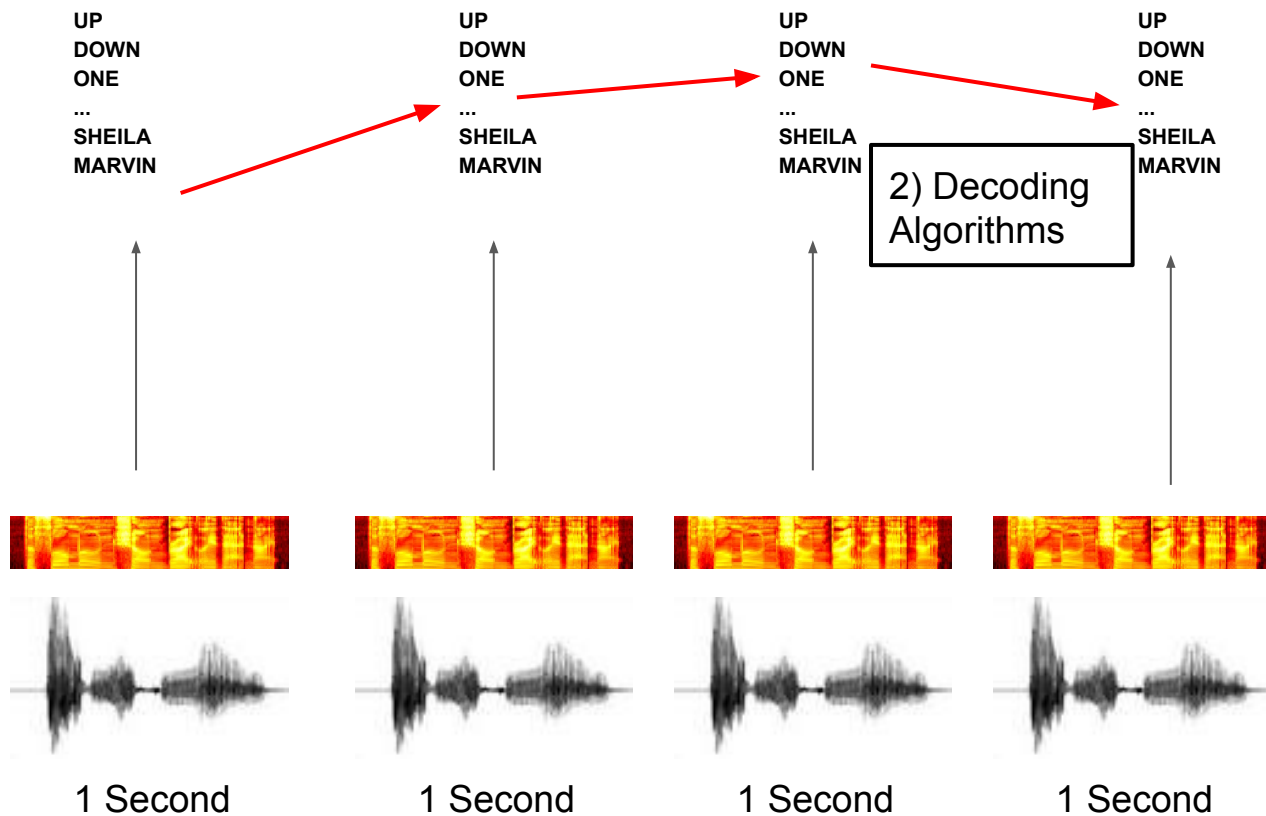
Part 2: Predict sequence of commands

Part 2: Predict sequence of commands

Assignment

- Your clean and annotated **Notebook** with your implementation of the algorithms.
- Answer to questions in your **pdf report**.
- Formula, results, graphs, and critical analysis of the experiments in the pdf report.
- Email at mva.speech.language@gmail.com with email object [TP1_2020] FirstName_LastName
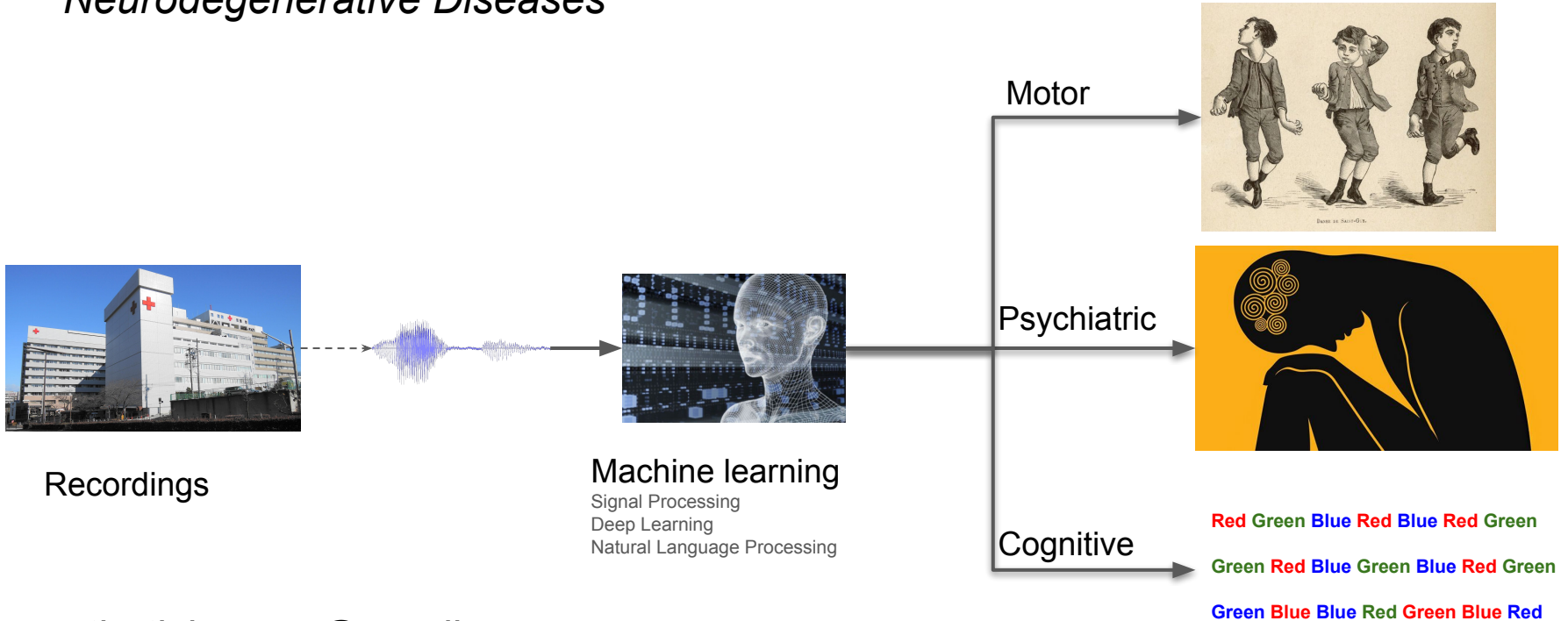- DUE DATE: **17/02/20120**

Lien:

https://bit.ly/2OnCFs0

Colab notebook works on Chrome, Safari. Does not work on Firefox

Internship Project at ENS/INRIA:

Machine learning approaches to personalised speech-based diagnostics of Neurodegenerative Diseases

Motor

Psychiatric

Cognitive

Recordings

Machine learning
Signal Processing
Deep Learning
Natural Language Processing

Red Green Blue Red Blue Red Green

Green Red Blue Green Blue Red Green

Green Blue Blue Red Green Blue Red

syntheticlearner@gmail.com