

Digital Phenotyping 2.0 *(passive wellbeing acquisition)*

CLINICAL STATE

Depression

Anxiety

Sleep Disturbances

Wellbeing

HIGH-LEVEL BEHAVIORAL MARKERS

Hedonic
activity

Psychomotor
activity

Fatigue

Concentration/
Distractibility

Sleep
disruption

Depressed
mood

Stress

Social
avoidance

LOW-LEVEL FEATURES

Location type
(e.g. home,
work, café etc.)

Activity type
(e.g. walk,
run, drive)

Movement
intensity

Phone
usage

Bedtime/
waketime

Paralinguistic
information
(e.g. volume,
intonation of
speech)

Acoustic
environment
(e.g. noisy,
quiet)

In-phone
social
activity

KEY SENSORS

Location
(e.g. GPS,
WiFi,
Bluetooth)

Movement (e.g.
gyroscope,
accelerometer)

Phone
screen
(on/off)

Phone apps

Ambient
light

Microscope

In-phone
communication
(e.g. voice calls,
SMS)

Rose Voice

Audio i/p
from Rose



Speech to Text Conversion

