**Labelization guidelines**

Une image contenant extérieur, personne, ciel, banc

Description générée automatiquement

Une image contenant texte, zèbre

Description générée automatiquement

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1. Introduction

The detection of the quality of ECG data is paramount to be able to computer relevant indicators. Over certain noise levels it gets impossible to detect accurate QT lengths for example. In order to train and test our algorithms of noise level detection, we are making a database of 5s ECG signal Segments. The rules to label those segment are described in this document.

1. Label rules

We will use 5 levels of noise:

* 1 : All phases PQRST of the ECG are visible and clear during the full 5s segment
* 2 : The quality of the signal is good enough to detect QT segment length over the whole segment
* 3: It is possible to detect accurately R waves during the whole segment
* 4: there are some difficulties to detect R waves but we can still guess most of them, can include a part with saturation
* 5 : mostly noise

1. Examples

# Level 2 :

We see a step in the raw signal that impact the shape of one of the P waves, however all the QT segments are clear -> level 2

