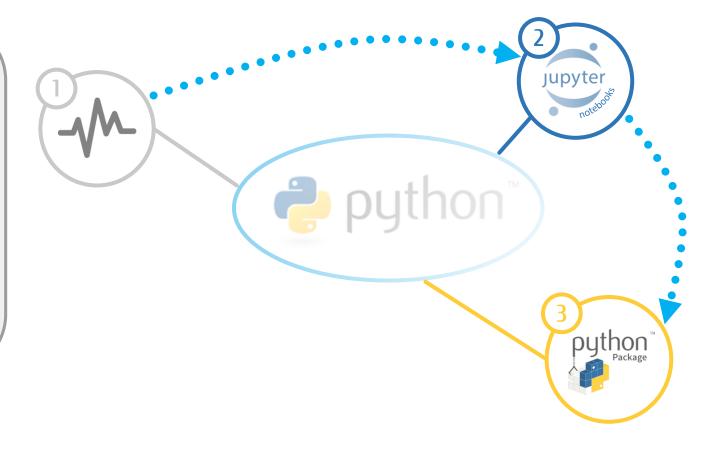


Description

Through Python language, some signal processing tasks ① are illustrated following a step by step methodology supported by Jupyter Notebook ② environment. This interactive experience can be complemented and developed with the biosignalsnotebooks ③ Python package, which synthesises the described processing functionalities in different modules and their functions.



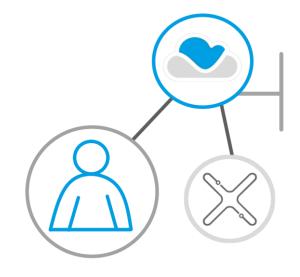




Purposes



Extension of OpenSignals



Open Contribution to the User



Facilitates Learning



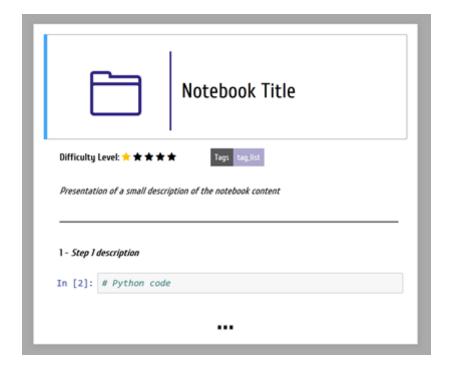


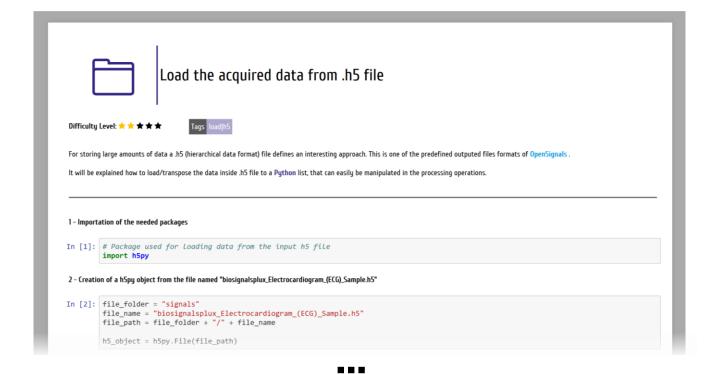
Notebook Categories

& Pre and Post Record Tasks

Data Acquirement Signal Processing Machine Learning *(*) Visualise Train Classify Record Load Pre-Process Detect Understand o Model ♂ Configurate o Calculate o Decide ර Open o Draw o Smooth of Recognise € ♂ Analyse ♂ Compare o Indicate ♂ Read of Interpret **o** Normalise o Segment € o Generate € o Tune ♂ Decode ط Explain of Characterise € **d** Archive o Zoom o Denoise **o** Annotate **o** Vectorise o Train **d** Interact o Validate o Convert o Filter o Optimise of the other of the o Imitate ♂ Report & Results Analysis → Data Explanation & Application of Learned Knowledge & Feature Vector Generation & Parameter Extraction & Automatic Event Detection & Multichannel Signal Processing pician & Graphical Data Visualisation & Data Access

Notebook Example









Link to biosignalsnotebooks



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