

Meeting 2

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Objectives

- Setup virtual environment
- Research HRV Algorithms

Virtual Environment

```
(venv)
bob deb-vm ~/git/biometricDashboard3 pip list
Package            Version
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bokeh               2.2.1
Jinja2              2.11.2
MarkupSafe          1.1.1
numpy               1.19.2
packaging            20.4
Pillow              7.2.0
pip                 20.2.3
pylsl               1.13.6
pyparsing           2.4.7
python-dateutil     2.8.1
PyYAML              5.3.1
setuptools          50.3.0
six                 1.15.0
tornado             6.0.4
typing-extensions   3.7.4.3
(venv)
bob deb-vm ~/git/biometricDashboard3
```

HRV Algorithms

- Time-Domain
 - Root Mean Square of Successive Differences (RMSSD)
 - Standard Deviation of NN Intervals (SDNN)
 - SDANN
- Frequency-Domain
- Geometric
 - Poincare plot