

Meeting 2

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Objectives

- Decide on Algorithm
- Run test data for R-peak detection
 - Calculate nn interval

Algorithms

- HRV
 - RMSSD
 - Open source libraries
- R-Peak Detection
 - Pan and Tompkins
 - py-ecg-detectors

Demo

```
bob ▶ deb-vm ▶ ../biometricDashboard3/hrv ▶ python ecg-detect.py  
[ 85 207 154 198 152 194 174 152 184 145 179 215 220 172 184 162 159 164  
176 184 182 172 169 179 231 215 207 203 196 172 196 181 179 179 182 181  
179 169 169 180 184 183 182 182 178 172 170 158 153 161 175 167 197 168  
191 173 168 166 162 158 158 158 172 197 198 198 178 201 177 165 166 170  
173 178 180 179 182 175 170 167 180 184 187 168 194 175 161 187 169 161  
162 168 180 175 203 187 183 170 166 164 173 191 184 183 181 180 169 191  
171 176 175 172 174 173 174 164 161 165 180 184 188 187 181 176 170 166  
162 158 159 187 214 220 196 187 177 153 173 155 151 160 172 164 191 166  
162 160 175 179 173 173 173 171 168 160 143 177 164 164 168 164 161 164  
171 167 163 160 158 157 158 159 156]
```

Looking Forward

- Test out HRV libraries
- Feed live data