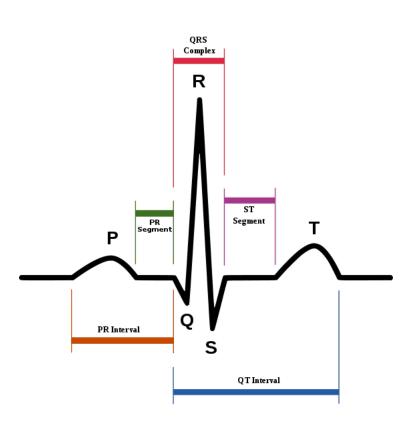
ECG Analysis

- 1)Obtain the data from a binary record file.
- 2) Visualize the obtained data.

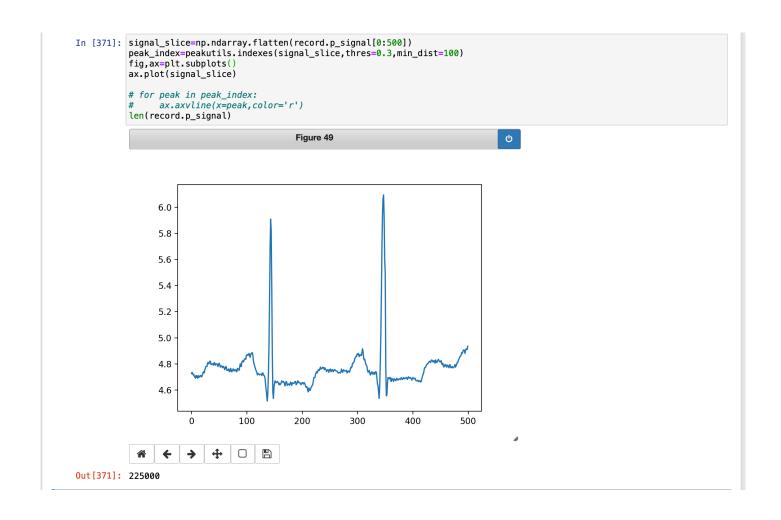
ECG



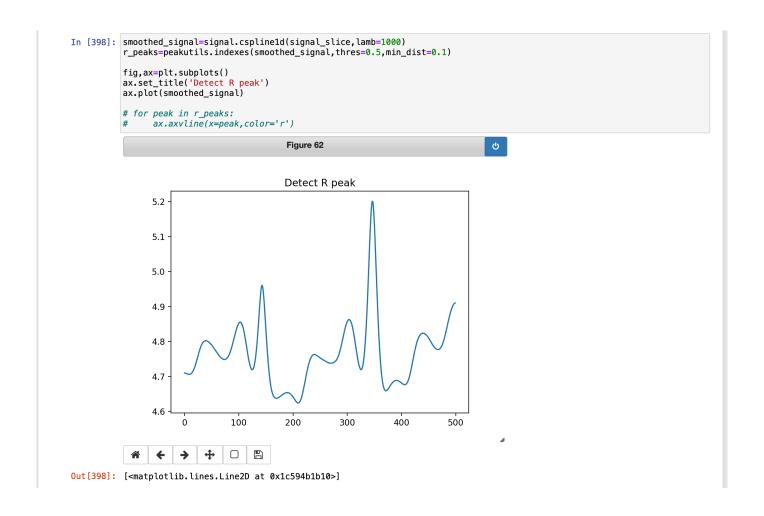
Detailed description about the record.

```
In [16]: record=wfdb.rdrecord('/Users/chaitanya/Downloads/ShubamData/qt-database-1.0.0/sel100', channels=[0])
         record.__dict__
Out[16]: {'record_name': 'sel100',
          'n_sig': 1,
          'fs': 250,
          'counter_freq': 360.0,
          'base_counter': None,
          'sig len': 225000,
          'base_time': None,
          'base date': None,
          'comments': ['69 M 1085 1629 x1',
           'Aldomet, Inderal',
           'Produced by xform from record 100, beginning at 7:00.000'],
          'sig_name': ['MLII'],
          'p_signal': array([[4.725],
                 [4.735],
                 [4.725],
                 [4.695],
                  [4.68],
                  [4.68]]),
          'd_signal': None,
          'e p signal': None,
          'e_d_signal': None,
          'file_name': ['sel100.dat'],
          'fmt': ['212'],
          'samps_per_frame': [1],
          'skew': [None],
          'byte_offset': [None],
          'adc_gain': [200.0],
          'baseline': [0],
          'units': ['mV'],
          'adc_res': [11],
          'adc_zero': [1024],
          'init_value': [945],
          'checksum': [-13873],
          'block size': [0]}
```

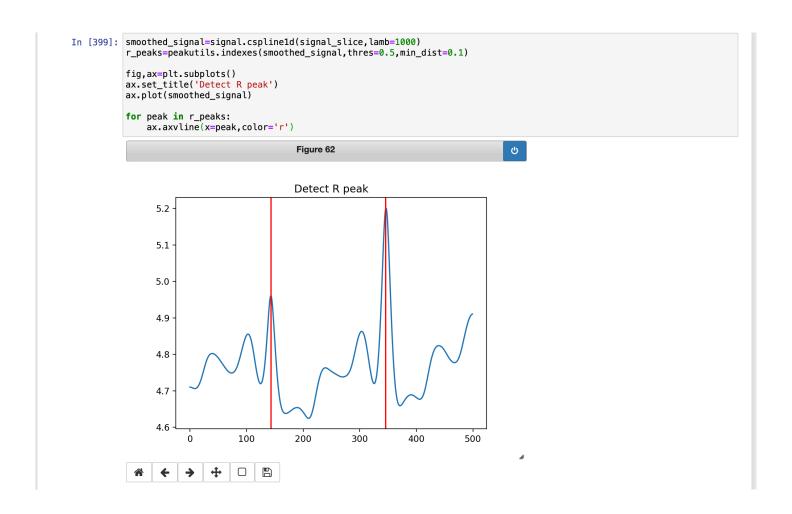
Visualizing the signal.

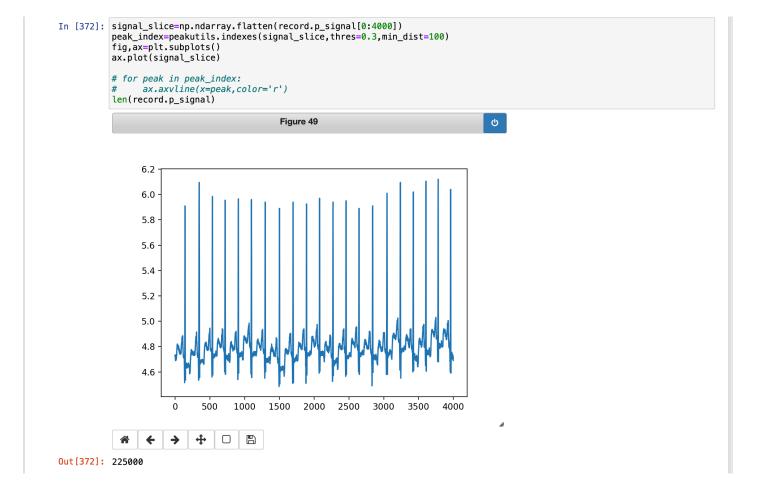


Smoothing the signal.

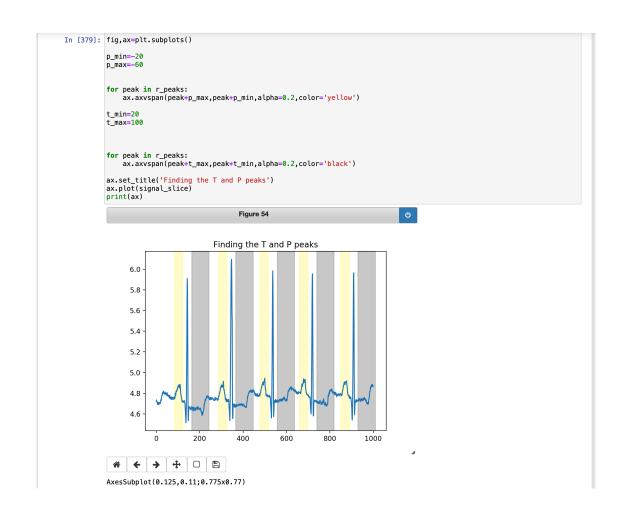


Detecting R-peak





Detecting P and T peaks.



Tried getting a Point cloud.

Point cloud

