

Task 5 – Data Visualization

1 Qt Project

Qt is a cross-platform application and user interface (UI) framework for developers using C++ or QML. Qt Creator is the supporting Qt IDE. Qt and related tools are developed as an open source project.

<http://qt-project.org/>

Action Items

- **Read:** Getting Started with Qt.
<http://qt-project.org/doc/qt-5/gettingstarted.html>
- **Peruse:** Qt Developer Guides.
<http://qt-project.org/wiki/developer-guides>
- **Download and Install:** QT SDK and Qt Creator IDE.
<http://qt-project.org/downloads>
- **Complete and Build:** Basic Tutorial.
http://qt-project.org/wiki/Basic_Qt_Programming_Tutorial

2 QCustomPlot

QCustomPlot is a Qt C++ widget for plotting and data visualization. This plotting library focuses on making good looking, publication quality 2D plots, graphs and charts, as well as creating real-time visualization applications.

<http://www.qcustomplot.com/>

Action Items

- **Read:** Setting up QCustomPlot.
<http://www.qcustomplot.com/index.php/tutorials/settingup>
- **Complete and Build:** Basics of Plotting.
<http://www.qcustomplot.com/index.php/tutorials/basicplotting>