

To be able to create views:

DATA ACQUISITION(Not Automatically Updating)

- > First click on "Update Data" from options menu
- > Please enter the IP address for the Raspberry PI webserveris
- > Click Update once for the last 6 seconds of data or fully enter the date information for a range of data

GENERATING A VIEW

- > Please wait until the app finishes loading screen and notifies by saying "Data Acquisition Completed"
- > Now you can click on "Add Views" from the options menu
- > Please choose one of the available views, currently:
 - BarChart and Raw Data can update automatically
 - LineChart can pull all the data of a specific time range
 - Gauge View currently is not connected to the data
- > For example if you have chosen BarChart
- > You can see the available sensors from the drop-down menu but **THIS DOES NOT CHOOSE THE SENSOR**
- > Please manually enter the sensor name for the X-axis text field
- > You can choose whether you'd like the BarChart to update or not and how you would want it to update
- > If you enter a specific date range, it will pull the data from that date range specifically (but will not update data from webserver, yet)
- > If you have entered an available sensor to the "x-axis for chart" field, and you know the available sensors from the drop-down menu, it will create a chart according to the data entered
- > You can move views around, add a new page from "Add New Page" from options menu

AUTOMATICALLY UPDATING DATA

- > Click on "Update Data" from the options menu
- > Check on constant update and enter an URL address
- > Enter the time interval in terms of seconds (preferably 5 seconds since the webservice updates every 5 seconds default) (Other time interval functionality will be added soon)

EXAMPLARY TEST RUN:

- > Entered 139.147.205.136 for connecting to PI
- > This generates the url of <http://139.147.205.136:3000/dbquery/recent>
- > If you click on update once, it will pull the last 5 seconds of data

- > Click Add Views, add Bar Chart, see an available sensor from drop-down list, for example MRPM, enter "mrpm" to the x-axis field and generate chart
- > If you'd like it to update, choose one of the options

- > If you start automatic update, it will update the Bar Chart or Raw Data automatically