Assignment 1 Geo1001
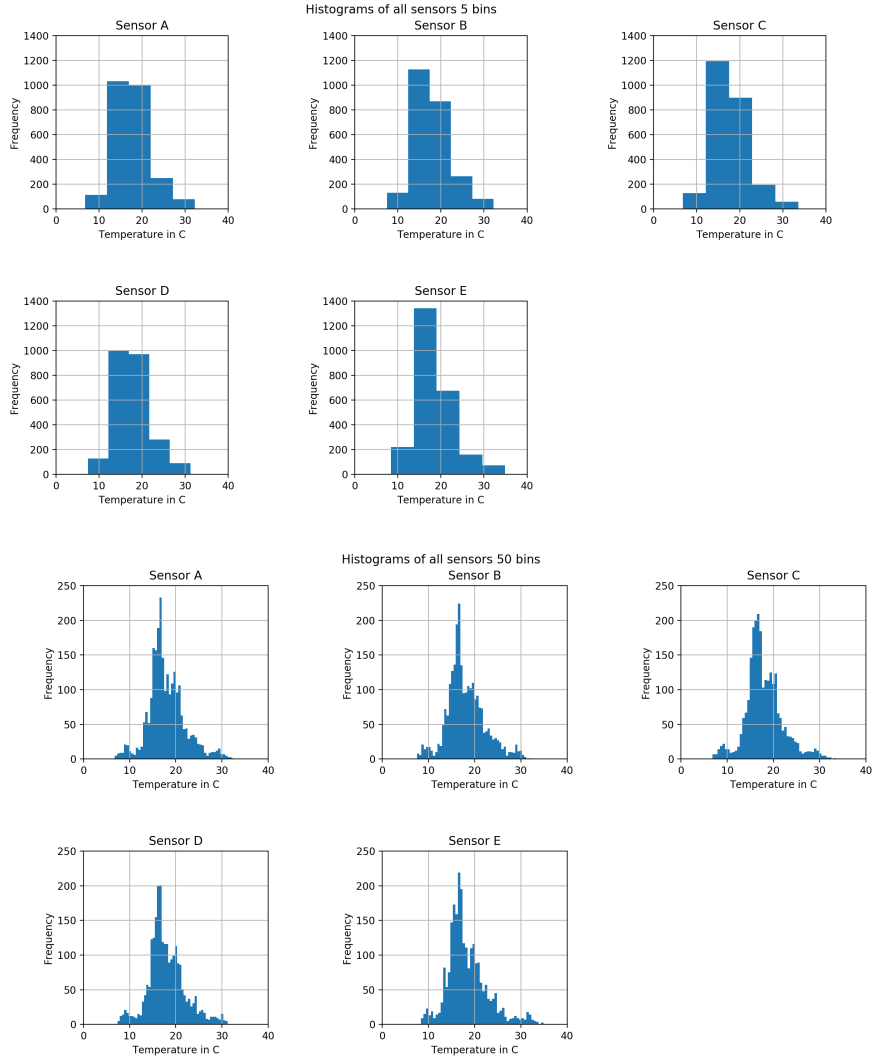
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September 20, 2020

1 A1

1.1 Mean statistics

In table 1 the calculated mean statistics of all sensors are displayed. The means of the sensors are quite similar for all variables. The means of the wind variables Direction - True, Wind Speed, Crosswind Speed and Headwind Speed differ the most between sensors. This is logical, because wind can differ greatly over short distances. This is in contrast with other variables like Temperature and Relative Humidity, which are less dynamic and thus have a similar mean for all sensors

Table 1: Mean Statistics of all sensors

	Mean A	Mean B	Mean C	Mean D	Mean E	Standard Deviation A	Standard Deviation B	Standard Deviation C	Standard Deviation D	Standard Deviation E	Variance A	Variance B	Variance C	Variance D	Variance E
Direction - True															
Wind Speed															
Crosswind Speed															
Headwind Speed															
Temperature															
Globe Temperature															
Wind Chill															
Relative Humidity															
Heat Stress Index															
Dew Point															
Psychro Wet Bulb Temperature															
Station Pressure															
Barometric Pressure															
Altitude															
Density Altitude															
NA Wet Bulb Temperature															
WBGT															
TWL															
Direction - Mag															

1.2 Histograms

Histograms of all sensors 5 bins

Histograms of all sensors 50 bins

2 A2

Some other text here.

3 A3

4 A4