Detecting Water on Images
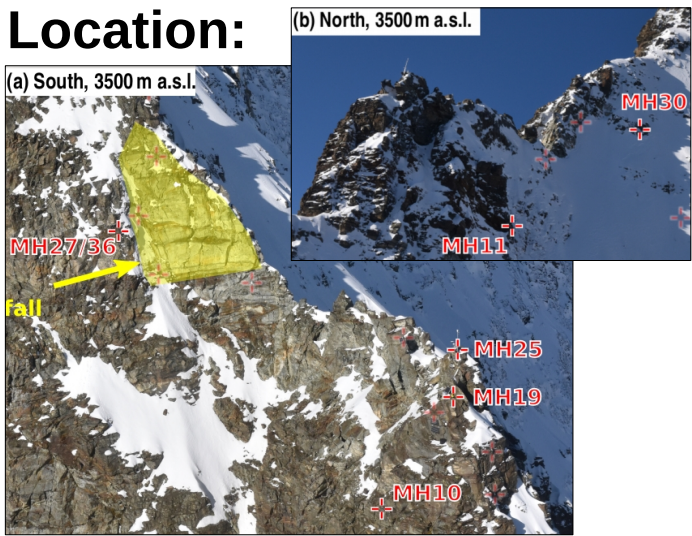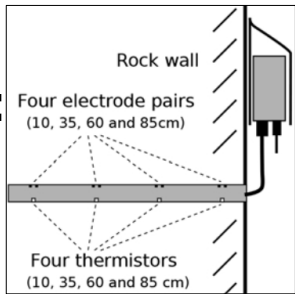
Jim Buffat
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Objective: Train image classifier based on sensory inputs
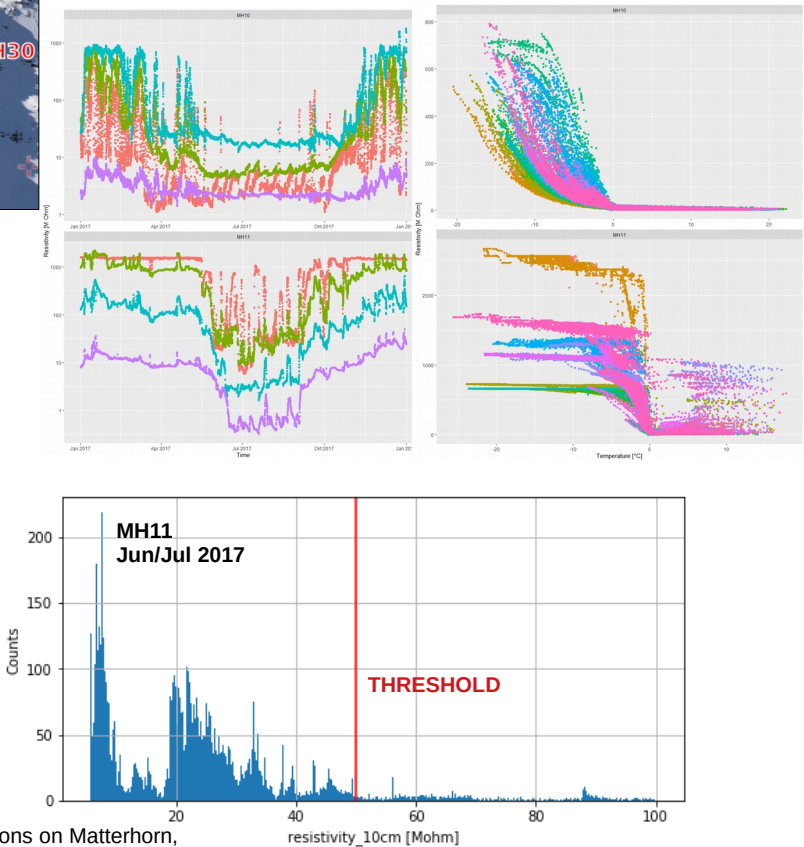
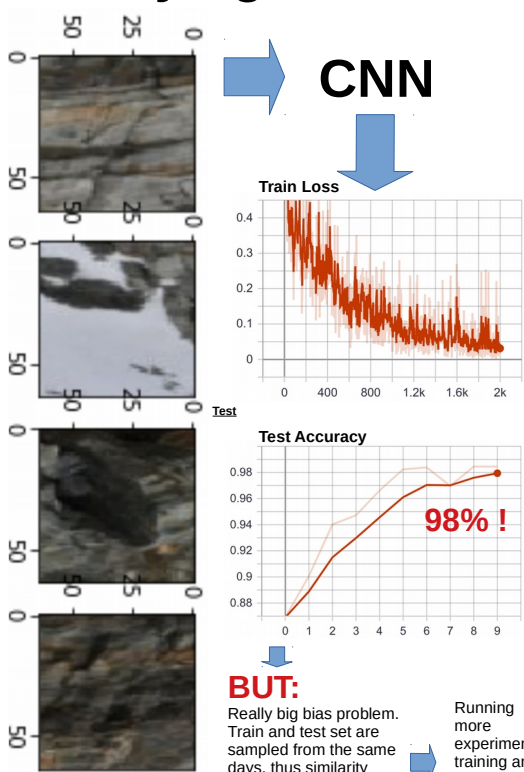## Location:

Sensor Data:

Classifying:

CNN

Train Loss

Test

Test Accuracy

98% !

BUT:

Really big bias problem. Train and test set are sampled from the same days, thus similarity between data pairs extremely large → Test accuracy is not representative.

Running more experiments, training and testing on different years.

Sensors:

Image Reference: S. Weber et al., A decade of permafrost observations on Matterhorn, Earth Syst. Sci. Data, 11, 1203–1237, 2019