

# CS 583 Probability Graphical Model

## Project Phase 3

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- Stationary at the **day** level  
(each timestamp of each sensor will have its 52 parameters (beta0-50 and sigma))
- **Without** connection between days
- **Without** backward-forward effect of the observed variables

### Results

temperature w0 error : 1.16690277778

temperature v0 error : 1.16690277778

humidity w0 error : 3.47049305556

humidity v0 error : 3.47049305556

temperature w5 error : 0.80018305632

temperature v5 error : 0.778466761475

humidity w5 error : 2.16008413217

humidity v5 error : 2.2910044325

temperature w10 error : 0.673270017591

temperature v10 error : 0.644349870904

humidity w10 error : 1.58224402235

humidity v10 error : 1.67931233145

temperature w20 error : 0.473080000588

temperature v20 error : 0.457509622187

humidity w20 error : 1.09001754737

humidity v20 error : 1.1190444898

temperature w25 error : 0.375577066491

temperature v25 error : 0.371536228626

humidity w25 error : 0.902019871231

humidity v25 error : 0.91275948802









