

Supplemental Plots for “Unsupervised Parsing of Gaze Data with a Beta-process Vector Auto-regressive Hidden Markov Model”

Plots of Gaze Dynamics

Figure 1 shows, left to right, the bivariate distributions of maximum dispersion by maximum speed, maximum dispersion by acceleration, and maximum speed by acceleration for the five non-error states in the BP-AR-HMM parsing of the Lund data. The top row is state 1, the second row is state 2, and so on until state 5 in the bottom row.

Figure 2 shows, left to right, the bivariate distributions of maximum dispersion by maximum speed, maximum dispersion by acceleration, and maximum speed by acceleration for the five non-error states in the BP-AR-HMM parsing of the DIEM data. The top row is state 1, the second row is state 2, and so on until state 5 in the bottom row.

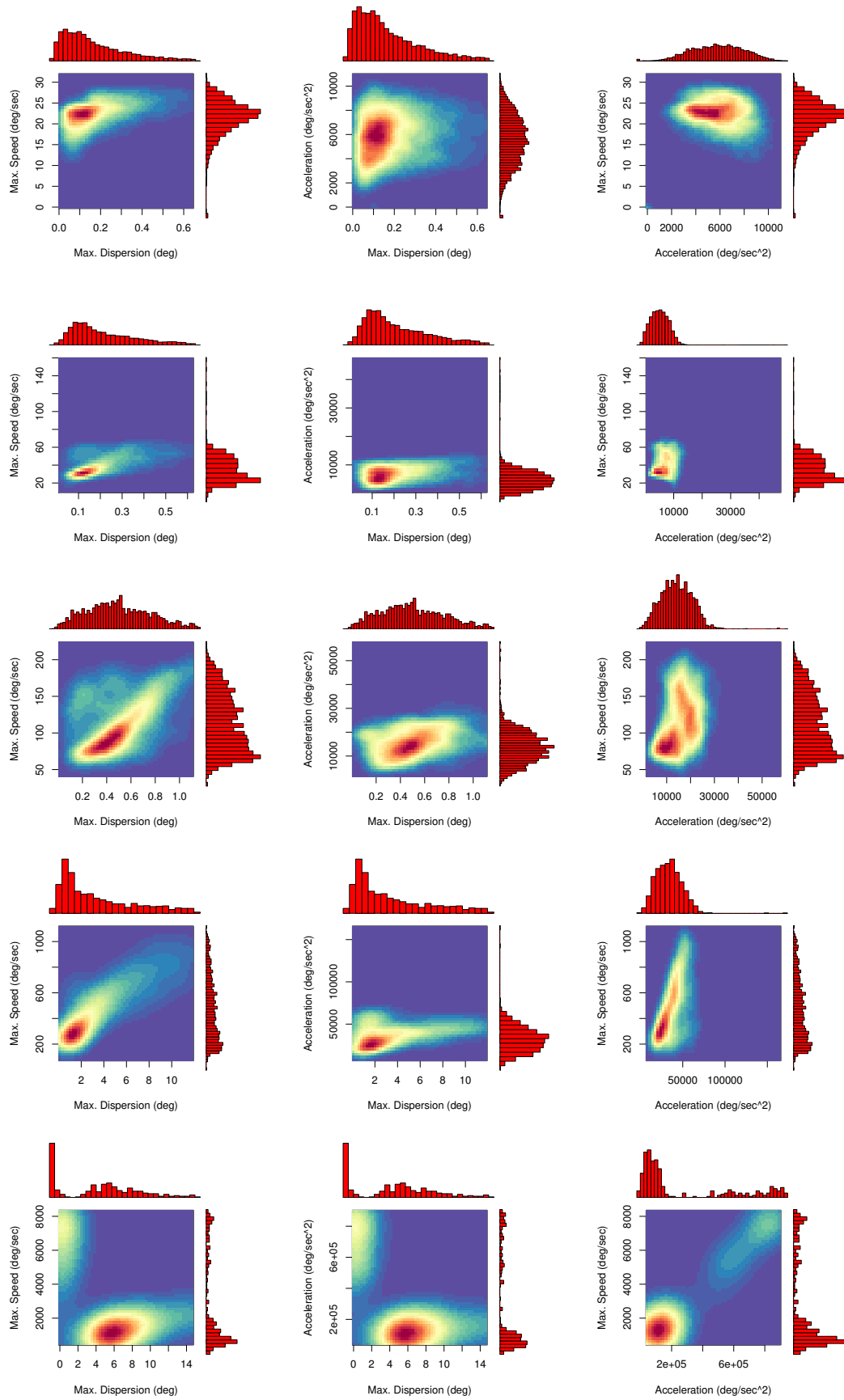


Figure 1. Bivariate distributions for dispersion, speed, and acceleration from the BP-AR-HMM parsing of the Lund data.

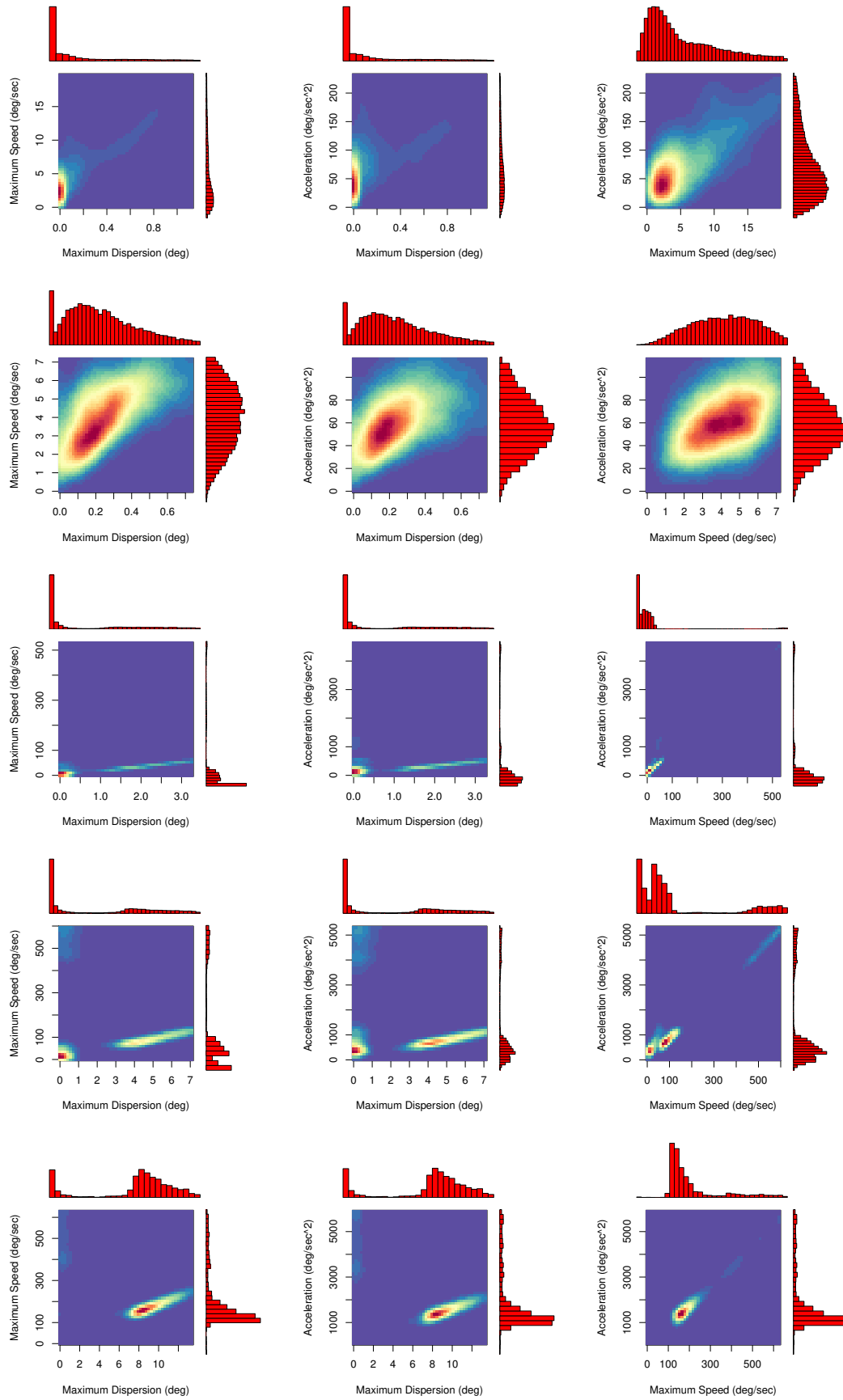


Figure 2. Bivariate distributions for dispersion, speed, and acceleration from the BP-AR-HMM parsing of the DIEM data.