

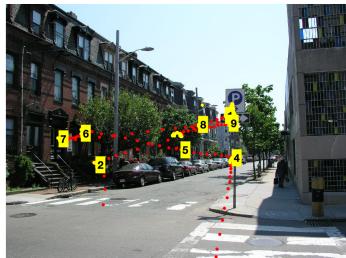


In The Name Of God
HW08
Advanced Neuroscience

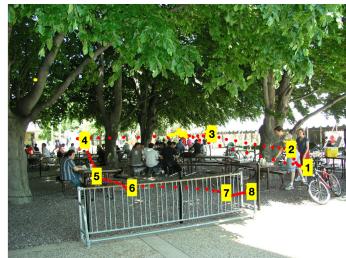
MohammadAmin Alamalhoda
97102099

■ Part1 - Eye tracking database

□ Single Person



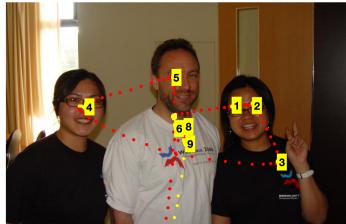
(a) PDF of X(t)



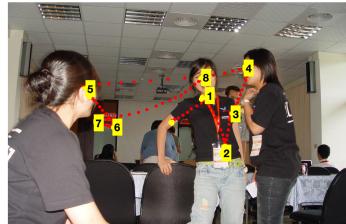
(b) QQPlot



(c) QQPlot



(d) QQPlot



(e) QQPlot



(f) QQPlot



(g) QQPlot



(h) QQPlot



(i) QQPlot

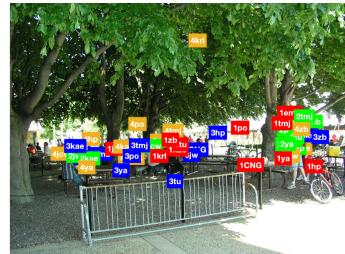
Figure 1: The PDF of $X(t)$ and QQ-Plot for checking the normality of the data when $bias = 0$, $\sigma = 1$, $time\ limit = 10$, and $dt = 0.01$



□ Multiple Persons



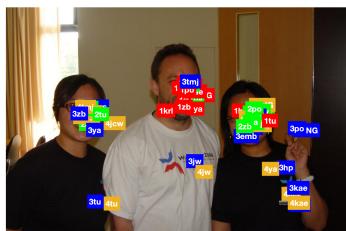
(a) PDF of $X(t)$



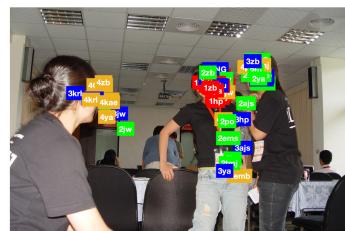
(b) QQPlot



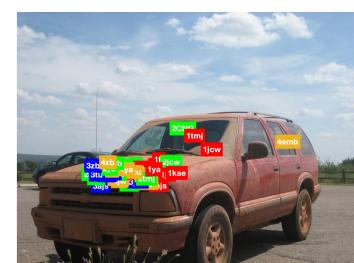
(c) QQPlot



(d) QQPlot



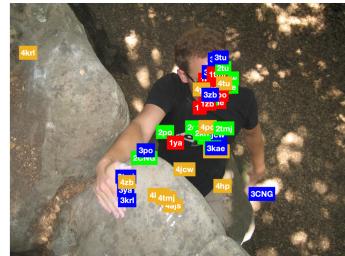
(e) QQPlot



(f) QQPlot



(g) QQPlot



(h) QQPlot



(i) QQPlot

Figure 2: The PDF of $X(t)$ and QQ-Plot for checking the normality of the data when $bias = 0$, $\sigma = 1$, $time\ limit = 10$, and $dt = 0.01$

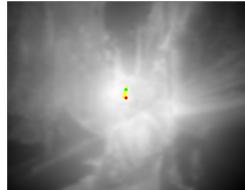


■ Part2 - Saliency Model

□ Eye Positions on Saliency Maps



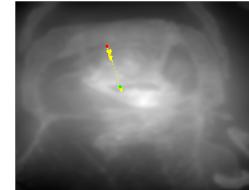
(a) PDF of $X(t)$



(b) PDF of $X(t)$



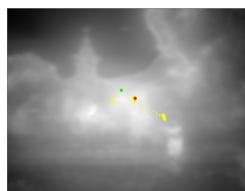
(c) PDF of $X(t)$



(d) PDF of $X(t)$



(e) PDF of $X(t)$



(f) PDF of $X(t)$



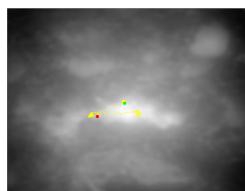
(g) PDF of $X(t)$



(h) PDF of $X(t)$



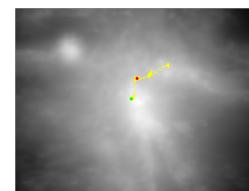
(i) PDF of $X(t)$



(j) PDF of $X(t)$



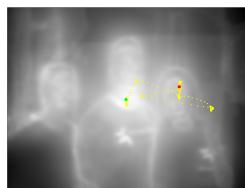
(k) PDF of $X(t)$



(l) PDF of $X(t)$



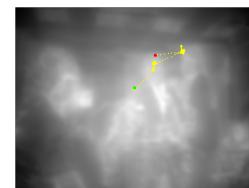
(m) PDF of $X(t)$



(n) PDF of $X(t)$



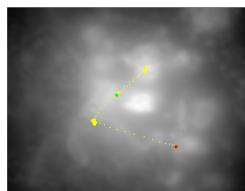
(o) PDF of $X(t)$



(p) PDF of $X(t)$



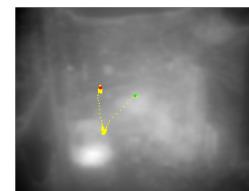
(q) PDF of $X(t)$



(r) PDF of $X(t)$



(s) PDF of $X(t)$



(t) PDF of $X(t)$

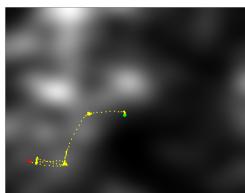
Figure 3: The PDF of $X(t)$ and QQ-Plot for checking the normality of the data when $bias = 0$, $\sigma = 1$, $time\ limit = 10$, and $dt = 0.01$



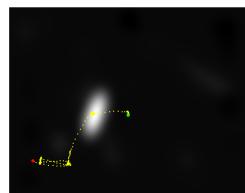
□ Different Saliency Maps



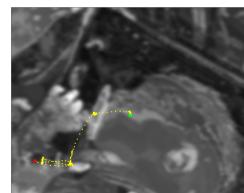
(a) PDF of $X(t)$



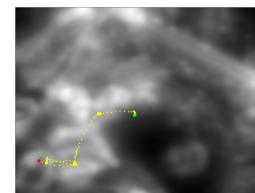
(b) PDF of $X(t)$



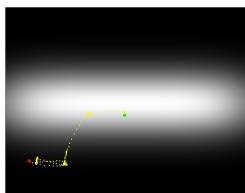
(c) PDF of $X(t)$



(d) PDF of $X(t)$



(e) PDF of $X(t)$



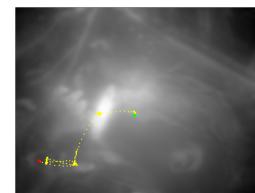
(f) PDF of $X(t)$



(g) PDF of $X(t)$



(h) PDF of $X(t)$

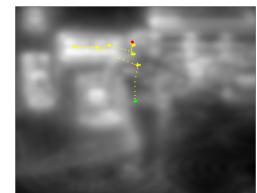
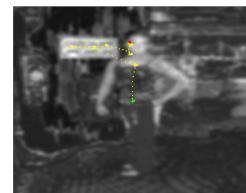
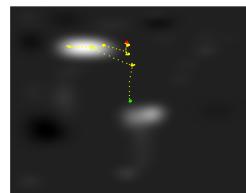
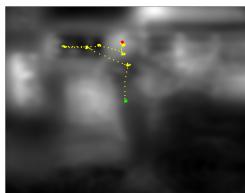


(i) PDF of $X(t)$

Figure 4: The PDF of $X(t)$ and QQ-Plot for checking the normality of the data when $bias = 0$, $\sigma = 1$, $time\ limit = 10$, and $dt = 0.01$



(a) PDF of $X(t)$

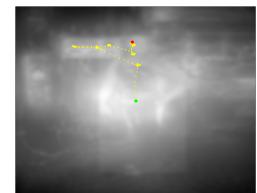
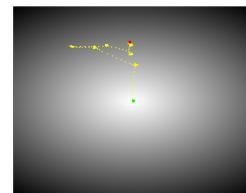
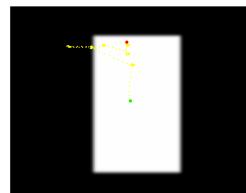
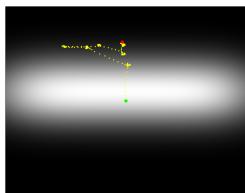


(b) PDF of $X(t)$

(c) PDF of $X(t)$

(d) PDF of $X(t)$

(e) PDF of $X(t)$



(f) PDF of $X(t)$

(g) PDF of $X(t)$

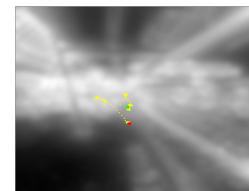
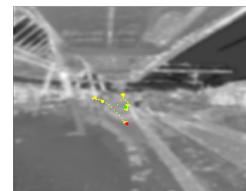
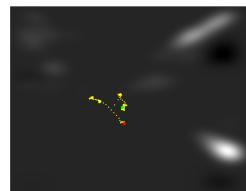
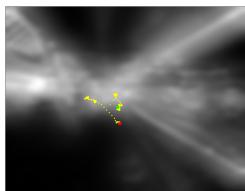
(h) PDF of $X(t)$

(i) PDF of $X(t)$

Figure 5: The PDF of $X(t)$ and QQ-Plot for checking the normality of the data when $bias = 0$, $\sigma = 1$, $time\ limit = 10$, and $dt = 0.01$



(a) PDF of $X(t)$

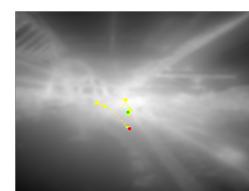
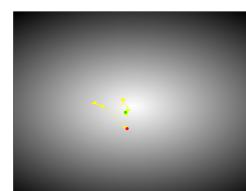
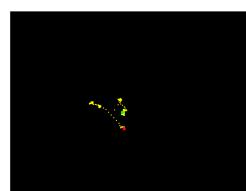
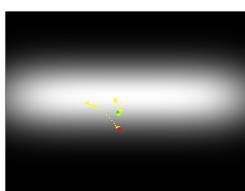


(b) PDF of $X(t)$

(c) PDF of $X(t)$

(d) PDF of $X(t)$

(e) PDF of $X(t)$



(f) PDF of $X(t)$

(g) PDF of $X(t)$

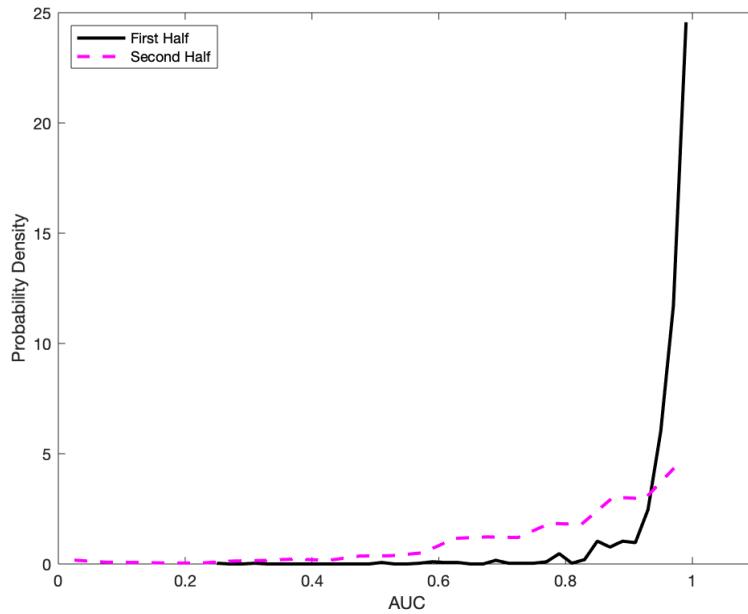
(h) PDF of $X(t)$

(i) PDF of $X(t)$

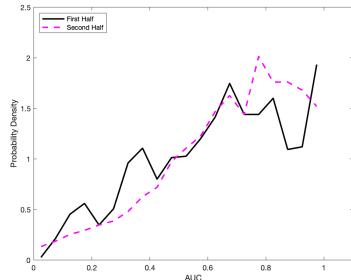
Figure 6: The PDF of $X(t)$ and QQ-Plot for checking the normality of the data when $bias = 0$, $\sigma = 1$, $time\ limit = 10$, and $dt = 0.01$



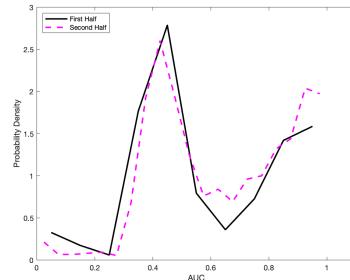
■ Part3 - Comparing Saliency Maps to Fixations



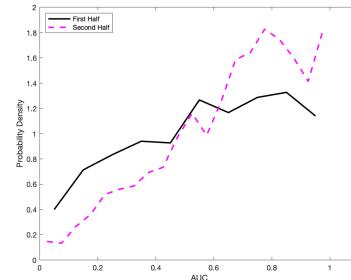
(a) PDF of $X(t)$



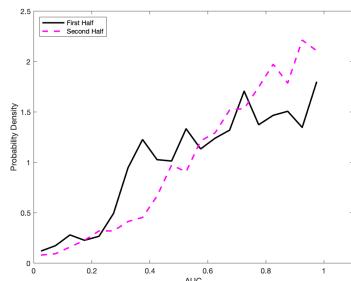
(b) PDF of $X(t)$



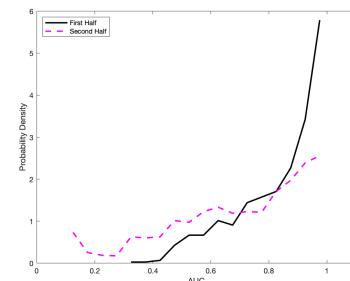
(c) PDF of $X(t)$



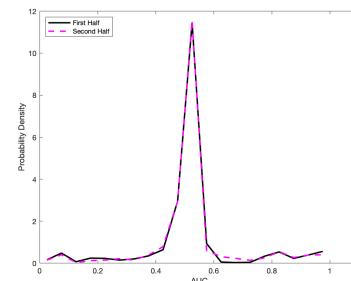
(d) PDF of $X(t)$



(e) PDF of $X(t)$



(f) PDF of $X(t)$



(g) PDF of $X(t)$

Figure 7: The PDF of $X(t)$ and QQ-Plot for checking the normality of the data when $bias = 0$, $\sigma = 1$, $time\ limit = 10$, and $dt = 0.01$