KDE for Feb 2016, bandwidth = 2400 , cell size = 600 x 600
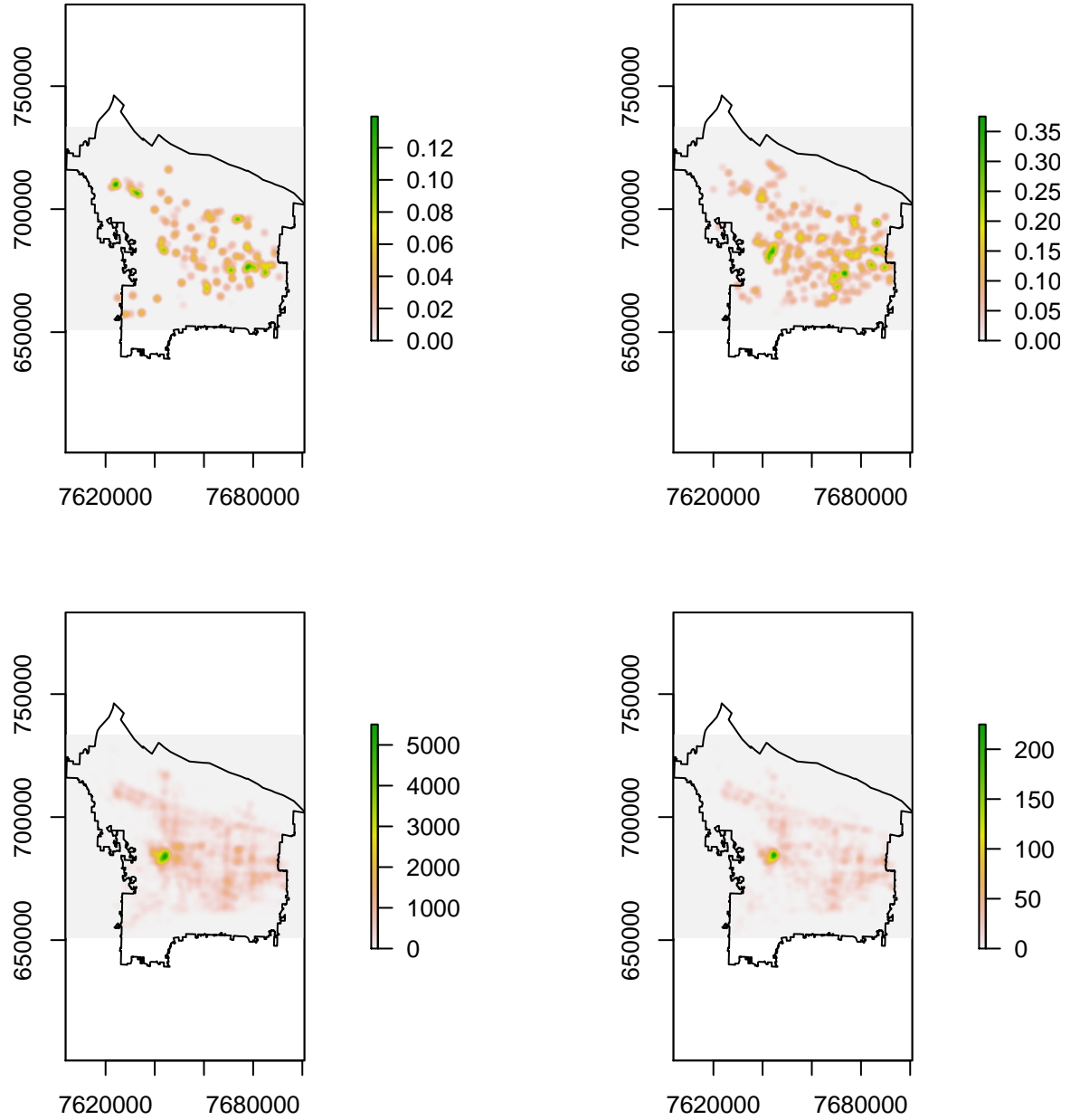

Figure 1

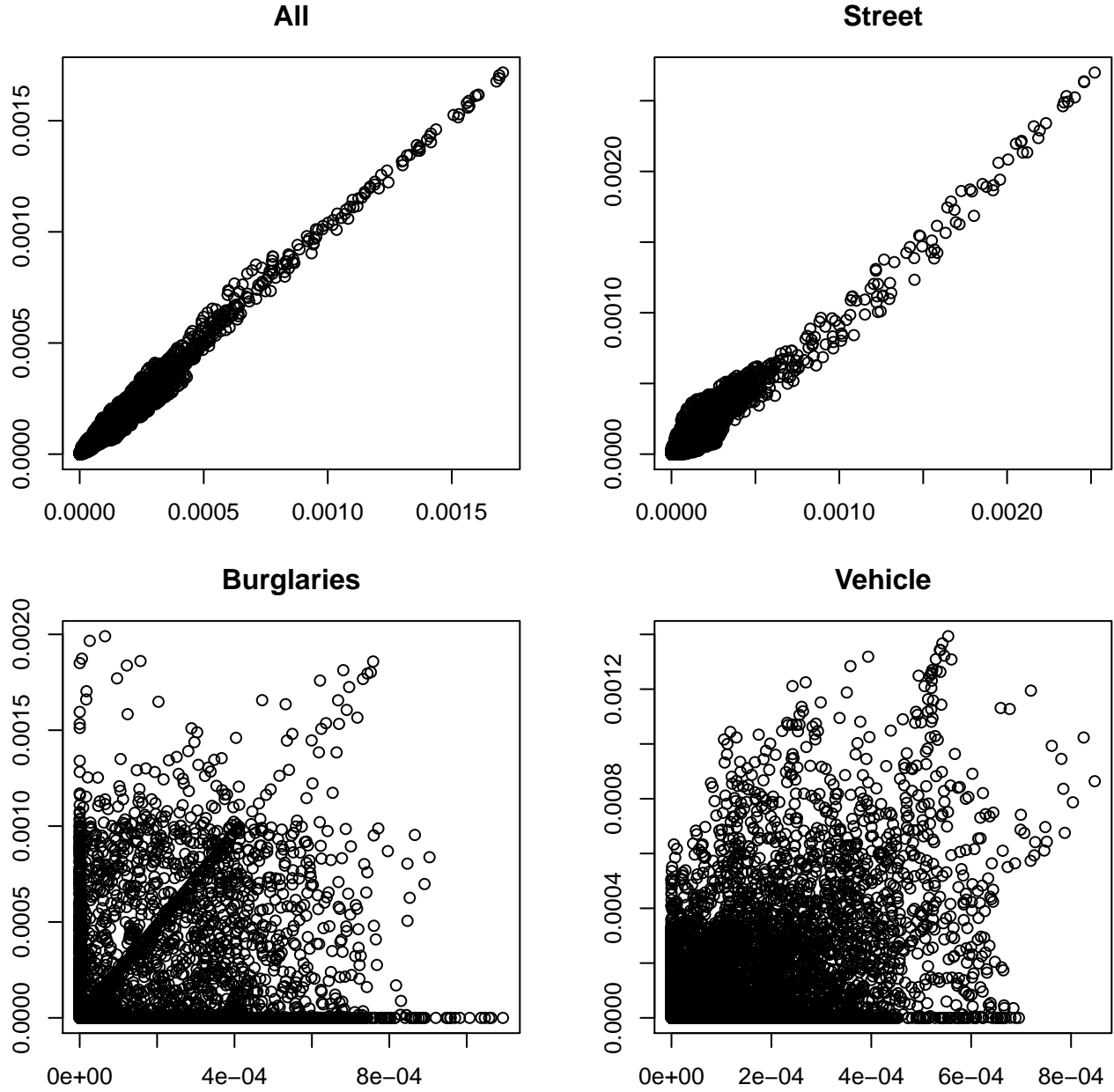*Figure 2: Spatio Temporal KDEs. Spatial bandwidth = 2400ft, temporal bandwidth=60days. Estimation done for 2016-03-31.*

Figure 3: Scatter plots of the KDE of each cell. In the x-axis: KDE for Feb 2016.
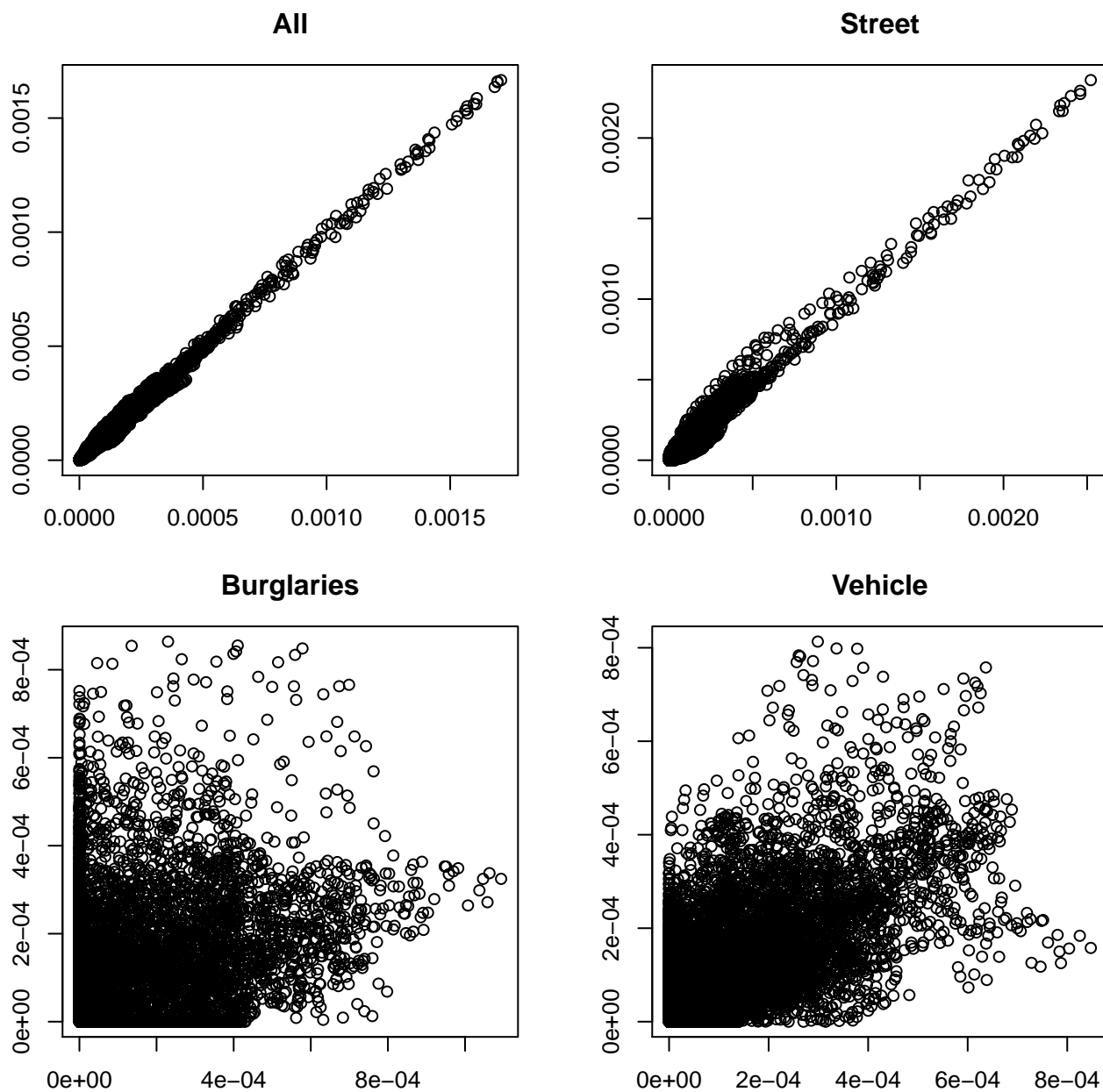
Density Feb 2016 vs. Months of Mar, Apr and May 2016

All

Street

Burglaries

Vehicle

Figure 4: Scatter plots of the KDE of each cell. In the x-axis: KDE for Feb 2016.

Table 1: Spearman Rank Correlations

	all	street	burglary	vehicle
w1	0.981	0.928	0.403	0.595
w2	0.984	0.924	0.404	0.684
m1	0.986	0.931	0.356	0.676
m2	0.989	0.941	0.421	0.723
m3	0.990	0.947	0.466	0.747

[*] Spearman rank correlations computed from the KDE estimates for different crime categories, using a grid with cell size of 600x600 squared feet.
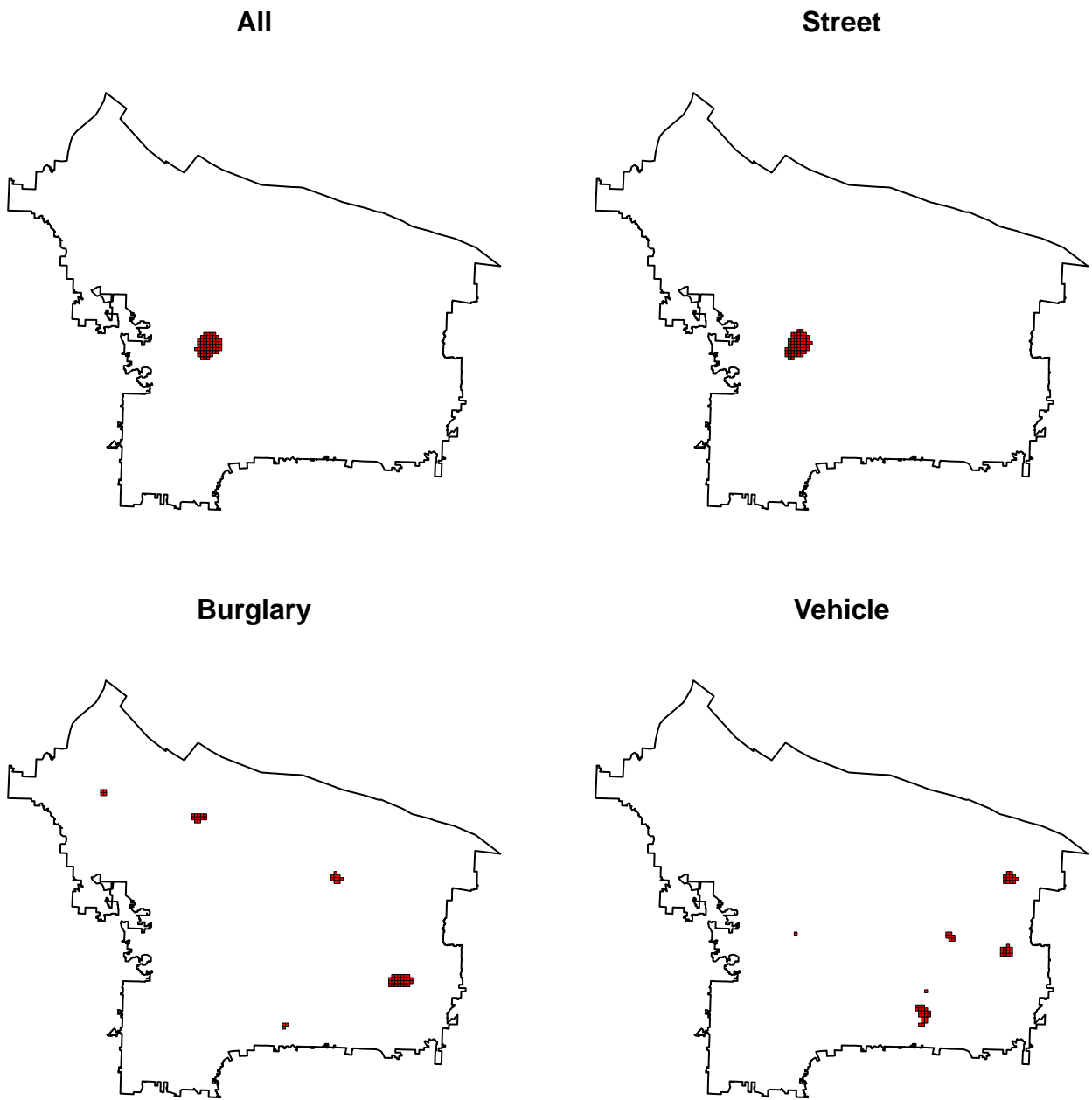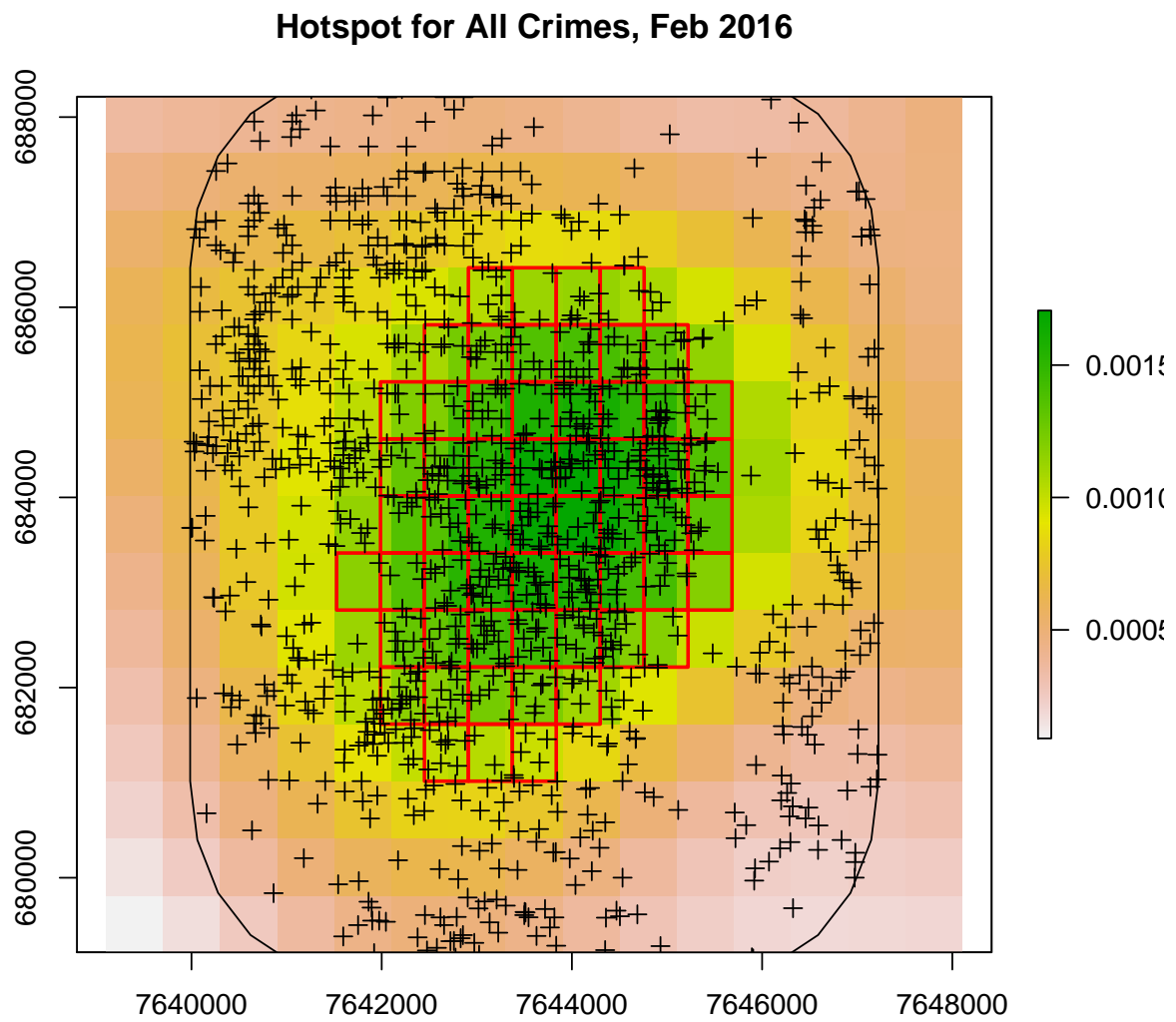
All

Street

Burglary

Vehicle

Figure 5: Selection of the highest denisty cells for each crime category for the month of March 2016. The maximum forecasted area using cell sizes of 600x600 feet is encompassed by 58 cells.

Figure 6: Zoomed in view of the hotspot of All *crimes for March 2016.*