

# Do Twitterstorms Reflect Real Storms? Locating Areas Impacted by Hurricane Harvey Through Analysis of Related Tweets: Supplementary Material

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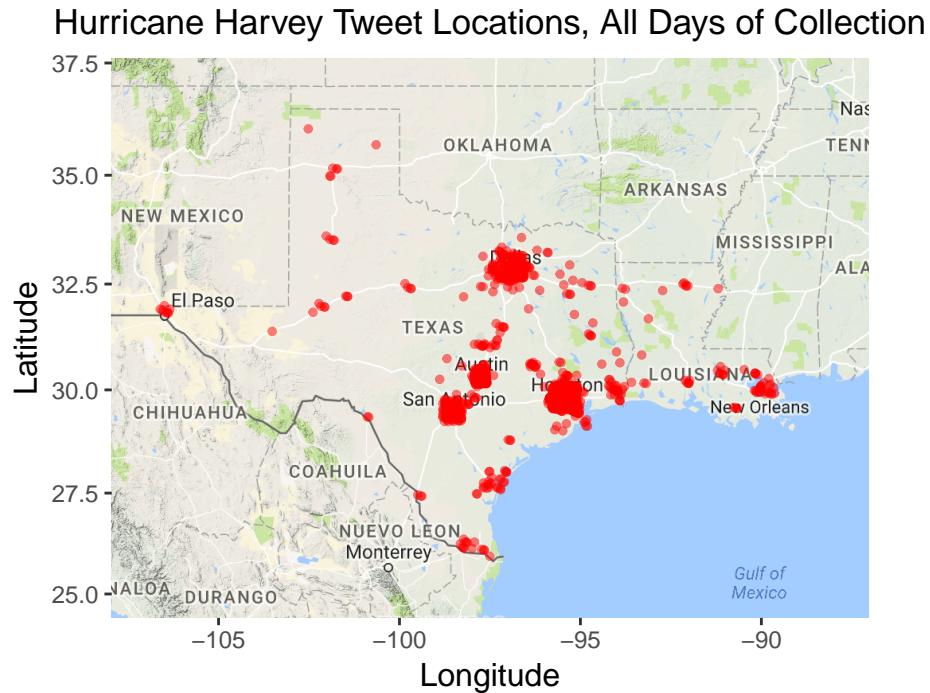


Figure S1: Locations of tweets made with #HurricaneHarvey or #HurricaneHarveyRelief, collected between 9:10AM on 9/1/2017 and 9:56AM on 9/4/2017.

From this figure, it is clear that there are several pockets of high tweet density – primarily occurring around major cities, with notable clusters in Dallas, Austin, San Antonio, Houston, and New Orleans.

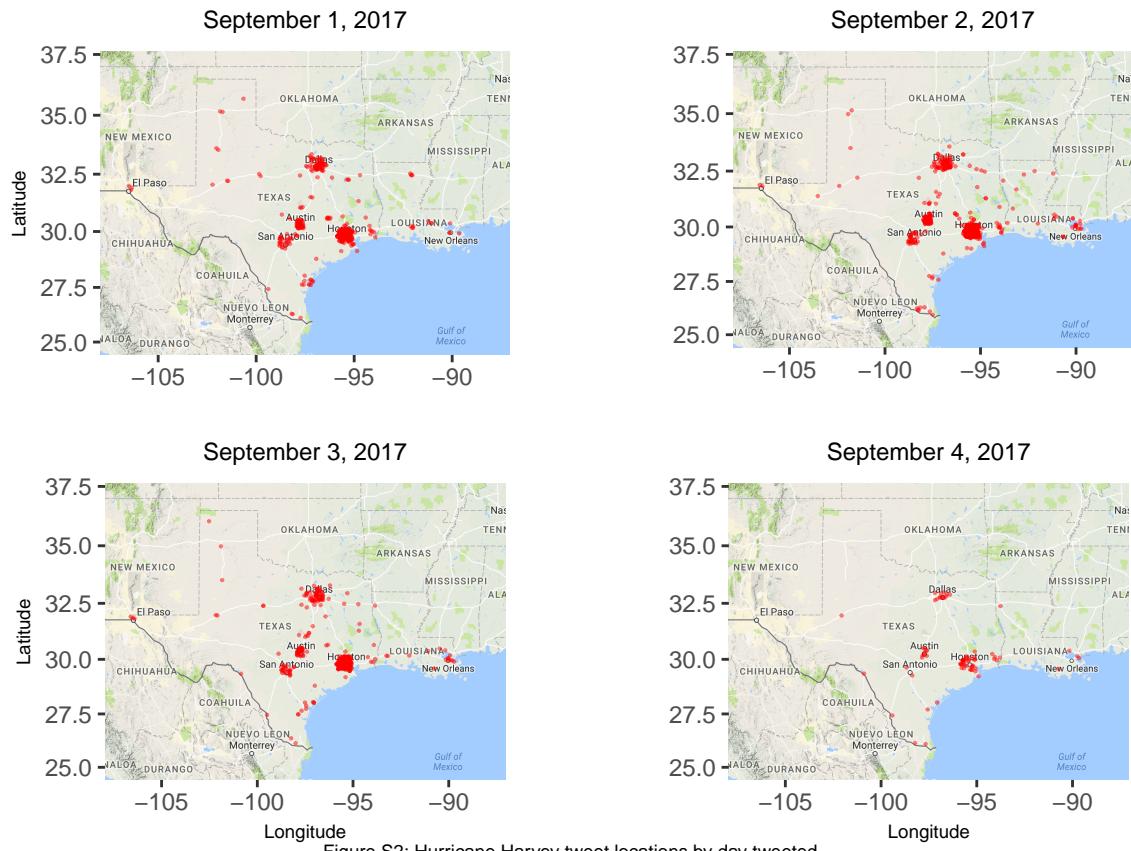


Figure S2: Hurricane Harvey tweet locations by day tweeted.

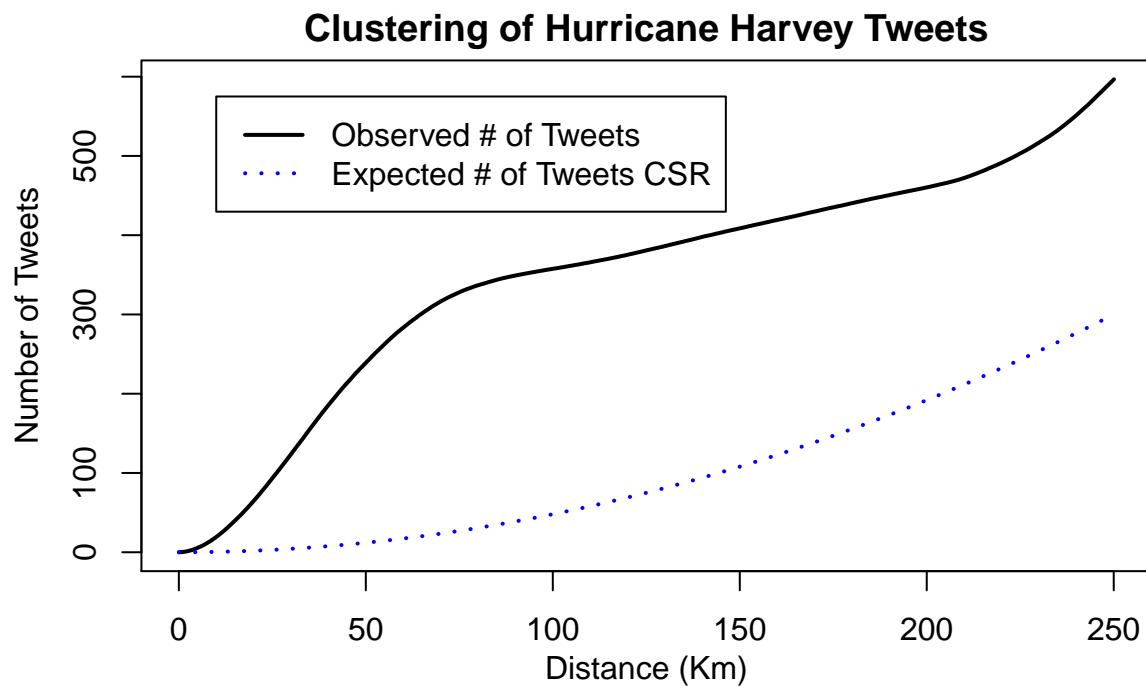


Figure S3: Observed number of Hurricane Harvey tweets (black), as compared to the number of tweets as would be expected under complete spatial randomness (CSR; blue).

From Figure S3, it can be seen that the observed number of tweets at every distance is far greater than the number expected under complete spatial randomness, indicating that event locations occur close to one another and there is clustering among the Hurricane Harvey tweets.