Output file created by the reducer was renamed to add an extension, .txt, to allow it to be opened in Jupyter notebook.

Decision tree and KNN based imputation methods are appropraite for non-parametric data such as this [1].

The data is assumed to be MCAR, as there is no known reason why there would be no tweets at all on the missing dates, and there is no common factor amongst the missing data.

[1] Bertsimas, D., Pawlowski, C., and Zhuo, Y. D. (2018). From Predictive Methods to Missing Data Imputation: An Optimization Approach. *Journal of Machine Learning Research*, 18, pp.1-39.

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