

**Appendix B**

**Supplemental data for statistical treatments**

Discussion and implementation of Theil-Sen Regression

[https://scikit-learn.org/stable/auto\\_examples/linear\\_model/plot\\_theilsen.html](https://scikit-learn.org/stable/auto_examples/linear_model/plot_theilsen.html) (visited 27-Feb-2019)

Kernel density estimation

A kernel density estimation is a non-parametric estimate of the probability density of a distribution. It is similar to a smoothed histogram. For more information, see [https://en.wikipedia.org/wiki/Kernel\\_density\\_estimation](https://en.wikipedia.org/wiki/Kernel_density_estimation) (visited 17-Apr-2019).