PyGraphStat

 $\sigma(Vogelstein, Sussman)$

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1 Overview

This package provides the ability to perform statistical inference on graphs. We provide methods to perform hypothesis testing, graph classification, unsupervised vertex clustering and semi-supervised vertex clustering. We also provide embedding techniques that give a representation of the graph in Euclidean space. Additionally we provide methods to generate random graphs such as stochastic blockmodel graphs and random dot product graphs.