1125-VP-1332   **Erica Maciejewski*** (`erica.maciejewski@noblis.org`). *Predicting Internet Domain Popularity.*

Power-Law distributions are used to represent a functional relationship between two quantities when one varies as a power of another. Several online services offer rankings of internet domain popularity, and charge large sums for regular access to this data. We prove that internet domain popularity follows a power-law distribution, namely the Zipf curve, and provide a new algorithm for generating accurate internet domain popularity rankings free of charge. (Received September 16, 2016)