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Exercise No. 1
Peer-To-Peer Networks
Winter 2016

Exercise 1 *Name three Peer-to-Peer networks in the wild and give a detailed description.*

Exercise 2 *Calculate the expectation, variance, second and third moment of a Pareto distribution where*

1. $\alpha = 1.5$,

2. $\alpha = 2.5$,

3. $\alpha = 3.5$.

Exercise 3 *Give other examples of Pareto, Zipf, or power distributed natural or social phenomena. What is the exponent α? Compare it with those examples presented in the lecture and explain the differences.*