Class Review (10/20/2021)

1. State the exponential random graph model.

2. State the definition of dyadic dependent and independent statistics.

3. State how we can interpret the parameter of the exponential random graph model.

4. State the definition of Markov network and give three basic Markov network statistics.

5. Explain the degree, edge-wise shared partnership distributions.

6. Explain the geometrically weighted network statistics.

7. Explain doubly-intractable normalizing constant problems in the exponential random graph models.

8. Explain model degeneracy problems in the exponential random graph models.