

# Combi Seminar

Wednesday, 1.19.22 | 1:30

held remotely: <https://depts.washington.edu/gstrestrc/remote.htm>

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**Dr. Ali Shojaie**

University of Washington

## “Differential network analysis”

I am interested in developing statistical methods for analysis of large, complex systems, particularly biological and social systems. The main characteristic of these systems is that they are often comprised of a large number of interacting components, and the behavior of the system may not be evident from that of individual components.

Networks offer a convenient framework for analyzing large, complex systems. My research thus focuses on statistical methods for high-dimensional networks. I also develop statistical machine learning methods for estimation and inference in high-dimensional problems (i.e., when there are more variables than observations), particularly, when variables and/or observations are correlated with each other. This intersection of statistical machine learning, network analysis is an emerging research area with many interesting methodological and applied problems.

<http://faculty.washington.edu/ashojaie/>

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Questions? Contact Brian Giebel at [bgiebel@uw.edu](mailto:bgiebel@uw.edu) or visit the Combi website at <http://www.gs.washington.edu/news/combi.htm>

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