

Statistics Seminar  
Department of Mathematical Sciences

<b>DATE:</b>	Thursday, December 5, 2019
<b>TIME:</b>	1:15pm - 2:15pm
<b>LOCATION:</b>	WH 100E
<b>SPEAKER:</b>	Shaofei Zhao, Binghamton University
<b>TITLE:</b>	Job search problem and its extension.

**Abstract**

Job search problem, or the secretary problem is one application of the optimal stopping problem, and the optimal stopping strategy is for a given sample size  $n$ , we pass over the first  $k$  offers, and stop at the first offer which is better than all the preceding ones. Here  $k/n$  is approximately  $1/e$ . However in reality we don't always know the sample size in advance, but can assume it's a random variable follows certain distribution. We find the optimal stopping strategy in this situation.

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