

# Applied Economics (APEC)

## Student Seminar

***FALL 2023 SERIES PRESENTS:***

***HOSAM IBRAHIM***

***PHD BEFORE ORAL DEFENSE***

***Matching Prior DiD and Sampling: Designing  
the Evaluation for the Morocco Pioneer School  
Program***



**Time:**

Wed. Oct. 4th, 12:30-1:30PM CT

**Place:**

119 Ruttan Hall

**Zoom Option:**

<https://umn.zoom.us/j/98749918936>

**Details:**

<https://apecseminar.github.io/>

***ABSTRACT:***

In this session I will present my work on a matching exercise done to select schools for a difference-in-difference impact evaluation of an education intervention in a developing country. The matching exercise involved ML methods and Mahalanobis matching to select treatment and control schools for evaluating the impact of the Pioneer School Program in Morocco. The program involves introducing new teaching pedagogies and financial incentives to improve student and teacher outcomes. I will also present the sampling techniques used in preparation for the baseline data collection.