



**PI Math Club is proud to present**

***Garret Marshall***

**IPFW graduate student**

**as he presents a talk titled**

**Longitudinal Data Analysis**

In contrast to cross-sectional studies, longitudinal studies measure study participants repeatedly through time. This enables the time effects of individuals to be distinguished separately from differences among people in their baseline levels (cohort effects). Through examples, this presentation will summarize the advantages and disadvantages of a longitudinal approach, as well as the various models used and their design considerations. Some knowledge of data analysis techniques is helpful but not necessary.

**Wednesday, Dec. 8 at noon in KT 119**

**Free pizza and pop following the talk!**

**Open to all interested students.**