**Principle Investigator**

Ashley Birkeland

**Organization**

Highline Public Schools

**Questions**

1. What factors contribute to a student taking dual-credit course?
2. Do students who participate in dual-credit courses have different post-secondary outcomes when compared to students not taking dual-credit courses?
3. What factors should be included in a model to predict a student’s chances of participating in a dual-credit course based on school and demographic variables?
4. What factors should be included in a model t predict a student’s chances of attending a post-secondary institution based on participation dual-credit courses and demographic variables?

**Study Design**

I will be conducting multiple logistic regression as well as multi-level modeling in order to predict a students chances of participating in a dual-credit course based on school and demographic variables, I will also predict a students chances of attending a post-secondary institution based on participation in dual-credit courses and demographic variables. I will be investigating what factors contribute to a student taking a dual-credit course as well as whether students who participate in dual-credit courses have different post-secondary outcomes than students not taking dual-credit courses. With this information I can report back to the state as well as the research community at large on the effectiveness of dual-credit and suggest improvements as needed.

I intend to conduct these analyses by having a dataset with a cohort of Washington state high school graduates from the 2014-2015 school year. This dataset will include college enrollment data for the 2015-16 school year as well as high school course history (were students enrolled in any dual-credit courses), demographics and high school GPA.

I have been in contact with ERDC and they have let me know this is data they have available and are able to pull together for me. For this study I would receive de-identified student level data.

**ERDC Data Elements Requested**

* 4-year college enrollment
* CTC enrollment
* College term enrollment indicator
* High school program participation indicators (dual-credit)
* High school GPA
* High school course-level information (for dual-credit courses)
* Race (high school)
* Ethnicity (high school)
* Gender (high school)
* FRL (high school)
* SpecialEd (high school)
* ELL (high school)
* High school graduated from
* District graduated from