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| Title of Study: **Using Story-Driven Strategies to Teach Data Science in Precision Health Settings**  Investigators: Dr. Dan Maxwell <danielmaxwell@ufl.edu>, Dr. Kent Crippen <kcrippen@coe.ufl.edu>, Sarah Meyer <meyer.sarah@ufl.edu>  IRB #: 201901813  Contact Phone Number: (352) 294-1034 |

**Purpose of the Study**:

The Clinical and Translational Science Institute at the University of Florida is interested in your experience and learning of introductory data science concepts and competencies in an online (non-credit) learning environment. Our research team seeks to compare the traditional online lecture format with narrative-driven approaches to instruction. We wish to know how these two styles of instruction affect your engagement and motivation while participating in an online data science learning experience. More specifically, the purpose of this study is to evaluate the impact of *data stories* as instructional tools in online data science classrooms.

**Procedure**:

If you choose to participate in this study, you are allowing us to use information that is collected during the normal educational practices of this course. The following types of information may be collected:

* Survey: A variety of means may be used to document your perspective and learning practices.
* Artifacts: A variety of artifacts may be collected to document your perspective and learning practices. These may include but are not limited to homework assignments, reflective journal, papers and projects completed to meet course requirements.
* Online archives: Comments and responses that are posted to the Google Classroom may be archived.
* Observations: Observation data in the form of field notes or video recordings may be collected to document your interactions with the instructor or teaching assistants during class times.
* Interviews: Interviews lasting approximately 30 minutes may be conducted to gain insight into your perspective and learning practices. Interviews will be audio or video recorded and transcribed. Interviews will focus on the following kinds of questions:
  + Describe what you are expected to do in this course/field experience.
  + What has been challenging for you? Please explain.
  + What have you learned as a result of your participation in this course?
  + How has your participation impacted the way you think about chemistry?
  + How has your participation impacted the way you think about engineering?

An anonymous coding scheme will be applied to all information at the end of the course and prior to analysis. Data will be analyzed and reported in an aggregated fashion and participants will not be identified by name in any reports of our research.

**Risks and Benefits of Participation**

Minimal risk is envisioned for participating in this project. You will not be identified by name in any reports of this research; pseudonyms will be used. There are no direct benefits for participating in this research. However, future students may experience benefits in the form of increased engagement, performance and satisfaction as they take introductory data science courses.

**Time Required and Compensation**

The study will occur over a period of two weeks and we anticipate that it will require approximately 3 hours of your time each week to work through the learning experiences and complete the surveys. You will be compensated $40 for participating in this study.

**Confidentiality**

All information gathered in this study will be kept confidential to the extent provided by law. No reference will be made in written or oral materials that could link you to this study.

**Voluntary Participation**

Your participation is strictly voluntary. Non-participation or denied consent to collect some or all of the data listed above will not affect your grades or your status as a student. In addition, you may request at any time that your data not to be included.

**Contact Information**

If you have any questions or concerns about the study, you may contact Dr. Dan Maxwell at danielmaxwell@ufl.edu or (352) 294-1034. For questions regarding your rights as a research participant in this study you may contact the UFIRB Office, Box 112250, University of Florida, Gainesville, FL 32611-2250; ph (352) 392-0433.

**Participant Consent**

I have read the above information and agree to participate in this study. I am at least 18 years of age. A copy of this form has been given to me.

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Signature of Participant Date

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Participant Name (Please Print)