**CONTRACT DRAFT**

**Project description**  
*Context + purpose here*

To create a data visualization output program that uses writing center data (de-identified student demographic info and consultation info in Excel files) as input to aid in UCI’s Center for Excellence in Writing and Communication reporting and research.

**Participants**

*Client:* Percival Guevarra

*Consultants:*

*Developers:* Yi (Alan) Xu

**Requirements**

*Primary requirements:*

* *Create a program that visualizes word frequencies based on data in Excel sheets*

*Secondary requirements:*

* *Visualize word root frequencies*
* *Visualize correlations*
  + *Analyze types of correlations*
* *Create a user-friendly interface*

*Inverse requirements:*

* *Determine whether a relationship is causation vs. correlation*
* *Make a broadly facing interface running on a server*

**Constraints**

*List here (e.g., hardware, software, time)*

* *5 weeks / Summer Session I (June 24 – July 26)*
* *Limited Python knowledge*
* *Mac that runs virtual Windows 10*

**Deliverables**

*List artifacts here (e.g., code, manuals, software)*

* *Digital folder w/ code*
* *Manuals / documentation*

**Resources required**

*List here (e.g., hardware, software, time)*

* *Python environment*
* *Writing Center data*

**Contractor and client obligations**

*E.g., time, resources, meetings, deliverables*

* *Meetings on Fridays during 9am hour (or/and Tuesday 9 am hour)*
* *5 weeks, ~10 hours/week (focused during Monday – Friday)*

**Risks**

*E.g., impractical designs, delivery or access to resources, other activities that cannot currently be estimated*

* *Not finishing a UI*
* *Unexpected difficulties with Windows (University PCs cannot run executables)*
* *Not being able to learn additional Python libraries in time*

**Milestones**

*Dates and tasks*

*Week 1 – June 24 – June 28*

*Week 2 – July 1 – July 5 (out July 4 + 5)*

*Week 3 – July 8 – July 12*

*Week 4 – July 15 – July 19*

*Week 5 – July 22 – July 26 (out July 23)*