#32

COMPLETE

Collector:	Live Link (Web Link)
Started:	Monday, February 11, 2019 6:16:21 PM
Last Modified:	Monday, February 11, 2019 6:35:16 PM
Time Spent:	00:18:54
IP Address:	160.227.129.210

Page 1: For Annual Planning/Program Review Requests

Q1 Technology Plan Year   **2019-2020**

Q2 Title of Request

R and R Studio Software

Q3 Location of Request

TBD

Q4 Discipline

Political Science

Q5 Department

History, Social and Behavioral Sciences

Q6 Contact Person

Name   **Josh Franco**

Email Address   **josue.franco@gcccd.edu**

Q7 DescriptionPlease provide a brief description of the technology/software or technology project and its core goal(s).

In my POSC courses, students work in Public Policy Project teams. There are four analyst roles: Data, GIS, Policy and Communications. The Data Analysts role requires students to use R and R Studio data analysis software to examine data from a spreadsheet.

Page 2: Proposal Justification

Q8 Please explain how the technology or enhancement supports the strategic plan. Include information on how students will be impacted and/or employees or the college or district overall. Consider whether this would this be a district-wide implementation.Which Strategic Plan priority (or priorities) are supported by this request? To access the Strategic Plan, please click here.

Student Validation and Engagement

Q9 How does the request support the above priorities?

Students taking POSC courses that utilize the Public Policy Project learning unit expose students to the utility of data and data analysis in solving a public problem.

Q10 Who would this impact? Please select all that apply.   **Students**

Q11 How would this impact the above group(s)?

Data analysis is somewhat a province of computer science, statistics, and related fields; however, political science, like other social sciences, offer an entry way for students to explore and use data to identify the causes, effects, or solutions to public problems.

Q12 Does the technology support a state-wide initiative or is it a legal mandate or in support of a legal mandate?   **No**

Q13 If yes, please explain how the technology supports a state-wide initiative or is it a legal mandate or in support of a legal mandate?

Respondent skipped this question

Q14 Please be aware that projects, once approved, are typically scheduled 6 months to a year in advance. Consider the consequences if the technology/software is not implemented, upgraded or renewed.What are the consequences if the technology/software is not implemented/upgraded, or renewed? Examples: Security concerns, loss of FTES, mandates, accreditation, etc.

Without this software, I won't be able to effectively incorporate the Data Analyst role in my Public Policy Project learning unit for my POSC courses. I would limit this useful pedagogical approach if the software was not installed.

Q15 What is the number of students impacted per semester if the technology/software is not implemented, upgraded or renewed?

100

Q16 What is your preferred time for implementation?

Fall 2019

Q17 Tell us how the data you have supports the implementation of the technology. This can be qualitative or quantitative in the form of surveys, observations, SLO or other assessment data, institutional research data or other reports and data.

I have peer-reviewed journal article that examines the efficacy of Public Policy Projects and Data Analyst roles: Franco, J. A. (2019, forthcoming). "Integrating the "Science" and "Practice" of Politics in a Single Course: A Proof of Concept" Journal of Political Science Education.

Q18 Please attach any supporting data/documentation using the "Upload" button below.

Respondent skipped this question

Page 3: COST ANALYSIS

Q19 Is the request for hardware or software?

Software

Q20 Is the request for new or an upgrade to existing technology?

New (new to the campus)

Q21 Estimated or known total initial cost of request: This includes hardware and software maintenance, licences, taxes, fees, shipping, storage, etc.

R is the base software and R Studio is the graphical user interface. Both are open-source and free. R can be downloaded here: https://cran.rstudio.com/ and R Studio can be downloaded here: https://www.rstudio.com/products/rstudio/download/

Q22 Funding Source:

Other (please specify):
Not needed, open-source/free software

Q23 Please attach quote using the "Upload" button below.

Respondent skipped this question

Q24 Evaluationi. How do you plan to evaluate the technology after implementation?

I plan on using pre-test and post-test student surveys on the use of the software in conducting data analysis.

Page 4

Q25 Are you ready to submit your technology request?

Yes