

Los Angeles City College

Statistical Data Analytics Advisory Board

Thursday, September 28, 2023, 11:00AM – 12:30PM

Zoom Meeting ID: 850 3737 7216

Passcode: 793042

Minutes

I. Welcome and Introductions

Welcome by Edward Pineda-Castro Kee Lam & Dr. Rivera – looking for professional development activities for professors and students.

All participants gave brief introductions.

II. Program Overview – Pineda-Castro

We are here to talk about curriculum in our target population – students.

Targeted students – newcomers to the field of data science, postgraduate students who pursue Data Science careers.

Students should be given internship opportunities to encourage them to go into higher education (ie CSUs, UCs)

III. Proposed Courses – Pineda-Castro

Year 1 FALL - Math 173 OR Math 217, CIS 219, Math 229

Year 1 SPRING – Math 239, Math XXX (Linear Algebra for Date Science)

Lam - Students do not need to have any prior knowledge or experience to take these courses

Pineda-Castro provided in-depth descriptions of courses.

How do we make this certification well-established so that students are ready for a 4-year university?

Feedback valued – Core Concepts, Learning Outcomes, Projects

IV. Discussion

Kyle – Can we add a course to the curriculum? (Data Visualization?) May also be integrated into other courses.

Guillermo – emphasized the importance of linear algebra. Question – Can we have a class that covers the basics of learning Linear Algebra?

Justin – How do we frame our thinking? Is this a complete introduction or pushing more towards transferring to 4-year?

Kagba – Asking about discussions in relevance of computer science department or other departments in general. Edward – we will partner with computer science, but we mainly work with statistics. We can find a common background with computer science in the future.

Almira – Introducing Python along with R? (Yes.) Python for Data Science? (Yes) Look at what the industry is looking for. Python is important, but R is not considered a programming language. Linear algebra is important. What other industry members have you spoken to? Is there room to add an additional course? (Yes) How long is the certification? (1-year) Need to add cloud computing which can be integrated with a data integration course. Data visualization needs to be taught.

Sina – Are these courses in order? Linear Algebra should go last after data science. Hard to explain technical information to a non-technical audience.

Katie – Important to have info on communication, story-telling, problem-framing. Boot camps, demo days, Data governance, quality management – make it sexy?

Guillermo – Python is very important. Do you teach about libraries (like Panda?) (Yes.)

Jack – Important for students to learn Python. R experience is important as well. Learning One coding language makes learning another easier. R is “academic” but not a “real” programming language like Python.

Edward – There are more opportunities today for students/immigrants in schools for higher education. We welcome any suggestions to make the certificate a good one.

Kee – Any professional development opportunities for educators. Any opportunities for students to join a conference or seminar or industry event? Internship opportunities – share any that you might have. Add the information on the form.

Alexus screen shared LACC Statistical Data Analytics Advisory Board Feedback Doc.

V. Networking

VI. Adjournment