


INTEROFFICE CORRESPONDENCE
Los Angeles Unified School District
Division of Instruction

TO: High School Principals

DATE: April 5, 2018

FROM: Patricia Heideman 
Administrator, High School Instruction

**SUBJECT: INTENT TO OFFER INTRODUCTION TO DATA SCIENCE AB COURSE
IN 2018-2019**

Introduction to Data Science AB (IDS) is a “c” approved course in the University of California a-g sequence under the Statistics category. The purpose of this course is to introduce students to dynamic data analysis used to make decisions and predictions and to computer coding. The course provides students an alternative high school mathematics pathway that will prepare them for careers that rely on statistical reasoning and analysis, such as Statistics, Biology, the Social Sciences, and Law. Students will learn how to collect authentic data, then analyze and interpret the data by coding in RStudio. The Division of Instruction will provide professional development for 15 new IDS teachers in the 2018-2019 school year.

Student placement in IDS requires the successful completion of CC Algebra I or equivalent. Each semester of IDS allows students to earn 5 credits toward completion of their high school mathematics requirements. Students do not have to attempt CC Algebra II before taking IDS, as successful completion of this course validates Algebra II.

Students who successfully complete both semesters of IDS should advance to either Statistics and Probability or Advanced Placement Statistics. No student should advance to Advanced Placement Calculus after IDS completion.

To teach IDS, the teacher must have a credential in Mathematics. Teachers selected to participate should be willing to learn the RStudio programming language and attend all nine (9) days of training in order to implement the IDS curriculum. Dates for the 2018-19 trainings are:

Summer Professional Development:

- June 13-15, 2018
- August 1-2, 2018

4 Follow-up PD Sessions are scheduled as follows:

- One day during the work week in each of the following months:
 - November, 2018, October, 2018, February, 2019 and March, 2019.

Training is mandatory. Teachers will be paid \$1500 stipend by UCLA for completing the five-day summer training. There will be no make-up trainings. Failure to attend training will result in participant not receiving their training verification.

Schools should be prepared to provide the following support:

1. Guarantee that IDS will be offered on the school master schedule in the 2018 – 2019 school year.

Course Code	Course Title	Required	Credits	Term	A-G	Grade Span
310235	INT DATA SCI A	Y	5.0	F	C	9-12
310236	INT DATA SCI B	Y	5.0	S	C	9-12

2. Work with counselors and teachers to recruit students to enroll in IDS (see student placement parameters above).
3. Students are programmed/committed to IDS for the entire year.
4. Support teachers in attending all required IDS professional development sessions outlined above.
5. Support students' use of mobile devices on campus for data collection purposes.
6. Guarantee a daily 1:1 computer-to-student ratio. Students will be learning to code; therefore, sharing computers is not an option. **Each** student must have a desktop or laptop computer with updated software and browsers. Tablets are not fully compatible. Home access to computers is not required.
7. **Be aware that students programmed into IDS after the third week of school will not have acquired the necessary foundational material to succeed in the course.** IDS builds on coding/computer programming skills; therefore, students entering the course after the third week of school will have missed learning the code in the RStudio labs.

The Mobilize project has created a yearlong curriculum specifically for IDS. LAUSD Textbook Services Division has noted this on the High School Williams List of District-Adopted and District-Approved Textbooks as “Teacher Created Materials.” IDS teachers will already have the materials necessary for this course and will receive professional development on the use of these materials during the training. Schools do not need to purchase any additional software or materials for this course.

Interested teachers should complete the attached application form (Attachment A) and email it to Patricia Heideman, Administrator, High School Instruction, at pheidema@lausd.net by 5:00 pm, Monday, April 30, 2018.

For assistance or further information, please contact Philip Ogbuehi at philip.ogbuehi@lausd.net.

Attachments: Intent to Offer Form
2018-2019 List of High Schools

c: Dr. Frances Gipson
Dr. Derrick Chau
Local District Superintendents
Administrators of Instruction
Secondary Mathematics Coordinators, Central and Local District Offices
Counseling Coordinators, Central and Local District Offices
Instructional Technology Initiative Director and Coordinators

ATTACHMENT A

Due: April 30, 2018

**INTENT TO OFFER COURSE
INTRODUCTION TO DATA SCIENCE AB**

FIRST NAME _____ **LAST NAME** _____

LAUSD EMAIL _____

SCHOOL NAME: _____ **SCHOOL CODE:** _____

EMPLOYEE NUMBER: _____ **LOCAL DISTRICT:** _____

I (participant) _____ understand that in order to participate in this professional development opportunity, I must be scheduled to teach Introduction to Data Science AB **by Fall 2018**. By signing this document I am committing to 1.) implement the IDS curriculum (which includes the use of RStudio and Participatory Sensing technology), and 2.) attend **all 9 days of the required training**. I understand that failing to attend the required training will result in not receiving the training verification.

Teacher's Signature: _____

Assistant Principal, SCS, or Counselor's Name _____

Assistant Principal, SCS, or Counselor's LAUSD Email _____

APSCS or Counselor's Signature: _____

PRINCIPAL'S ACKNOWLEDGEMENT AND SUPPORT:

I support the participation of (participant name) _____ in teaching Introduction to Data Science AB in the 2018 – 2019 school year and in the IDS professional development. I am fully aware of the commitments our school is making by offering the IDS course.

Principal's Name _____

Principal's LAUSD Email _____

Principal's Signature: _____ **Date:** _____

COMMITMENT FORMS ARE DUE: By 5:00 pm, Friday, April 30, 2018

Email this application form to Philip Ogbuehi, Coordinator, High School Mathematics, at philip.ogbuehi@lausd.net. Confirmations and further instructions will be sent via LAUSD.net email ONLY.

ATTACHMENT B

High Schools Offering Introduction to Data Science Course in 2018-2019

Campus Name	Code	LD	Course Name
32ND ST USC PA MAG	7137	C	INT DATA SCI AB
BANNING SH	8529	S	INT DATA SCI AB
CANOGA PRK SH	8571	NW	INT DATA SCI AB
CHAVEZ LA TECH PREP	8901	NE	INT DATA SCI AB
GRANT SH	8683	NE	INT DATA SCI AB
EARHART HS	8788	NE	INT DATA SCI AB
MARQUEZ SH HPIAM	8866	E	INT DATA SCI AB
MENDEZ SH	8611	E	INT DATA SCI AB
MONROE SH	8768	NW	INT DATA SCI AB
NARBONNE SH	8779	S	INT DATA SCI AB
NO HOLLYWD SH	8786	NE	INT DATA SCI AB
POLYTECHNIC SH	8636	NE	INT DATA SCI AB
RESEDA SH	8814	NW	INT DATA SCI AB
RFK NEW OPEN WLD	7783	C	INT DATA SCI AB
RFK UCLA COMM SCH	7780	C	INT DATA SCI AB
RIVERA LC COM & TECH	7718	S	INT DATA SCI AB
ROYBAL LC	8544	C	INT DATA SCI AB
SANTEE EC	8716	C	INT DATA SCI AB
TORRES ELA PA MAG	8606	E	INT DATA SCI AB
VENICE SH STEMM MAG	8907	W	INT DATA SCI AB