Doing Science : from Start to Finish

Dr. Félix E. Rivera-Mariani

Who are we?

- Name
- Grade
- What is the most you like about “**Doing Science**”?

Who am I?

- From Arroyo
  - Same High School as Dr. Yajaira Sierra-Sastre
- Bachelors in Biology (Southeastern Louisiana University)
- Ph.D. in Microbiology (University of Puerto Rico Medical Sciences Campus)
- Science T… gy, DC)
- Specializ…
  - Data S…
  - Execut…
  - Genom…
  - Systems Biology
  - Bioinformatics

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- Scien[illegible] Microbiology, DC)
- Speci[illegible]
  - Da[illegible]
  - Ex[illegible]
  - Ge[illegible]
  - Sy[illegible]
  - Bi[illegible]

http://www.southeastern.edu/admin/purch/

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http://dialogoupr.com/tag/recinto-ciencias-medicas/

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- Science Teaching Fellowship (American Society of Microbiology, DC)
- Specializations;
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  - Executive Data Science
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  - Systems Biology
  - Bioinformatics

http://www.fox-architects.com/portfolio/american-society-for-microbiology/

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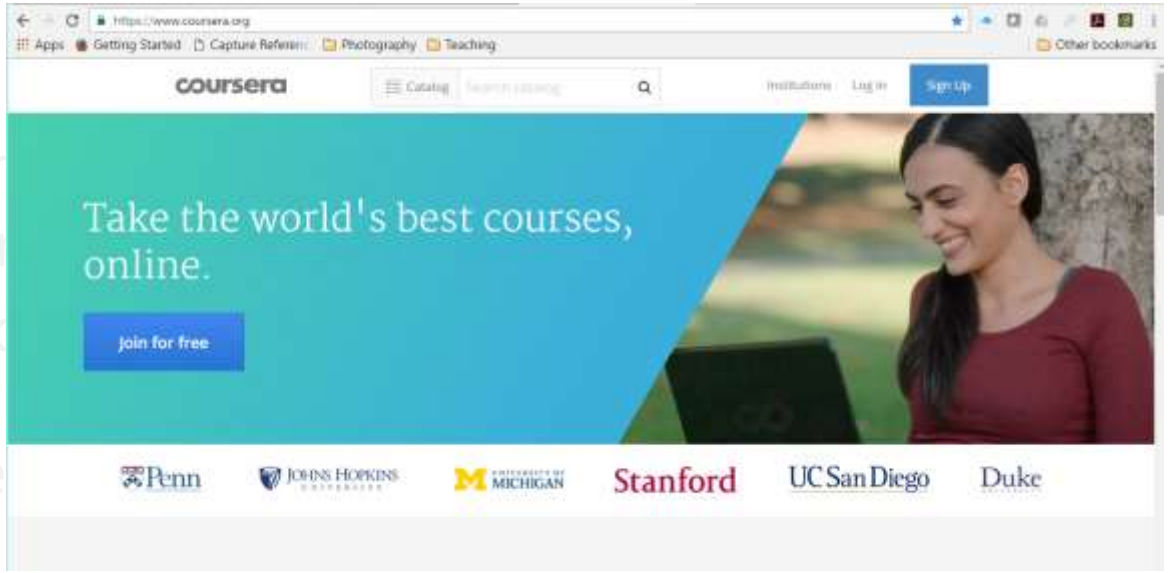

- Specializations;
  - Data Sciences – Johns Hopkins University
  - Executive Data Science – Johns Hopkins University
  - Genomic Data Sciences – Johns Hopkins University
  - Systems Biology – Icahn School of Medicine at Mt Sinai University
  - Bioinformatics – University of California at San Diego

https://www.coursera.org/

Who am I: Present?

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- Adjunct Professor at Miami Dade College

https://www.mdc.edu/north/biology/

Who am I: Present?

- Adjunct Professor at Miami Dade College

- Consultant (Aerobiology, Immunology, Image Analysis, Data Science)

- Principal Investigator: PRCubeStars

  - Aerobiology of allergens in the Caribbean Region
  - Differential Gene Expression between Fetus and Adult Genes
  - Characterization of Airborne Allergens Endemic in Puerto Rico
  - Comparison of Airborne Allergens between Cuba and Puerto Rico

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- www.friveram.com

My Expectations from “Doing Science”

What do you expect to learn from this series of workshops?

Send to friveramariani@gmail.com

Our learning goals

- Understand the different parts of the “real” scientific method

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- Understand the different parts of the “real” scientific method
- Design workable goals through a scientific project
- Analyze the difference though processes towards a scientific goals
- Collect data in formats that are “easy” (or “less difficult”) to analyze
- Answer questions related to our data-collection process
- Value the importance of team-work in the scientific process
- Understand, elaborate, and communicate with a scientific mindset

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