

# Data Science for Drug Discovery, Health & Translational Medicine

---

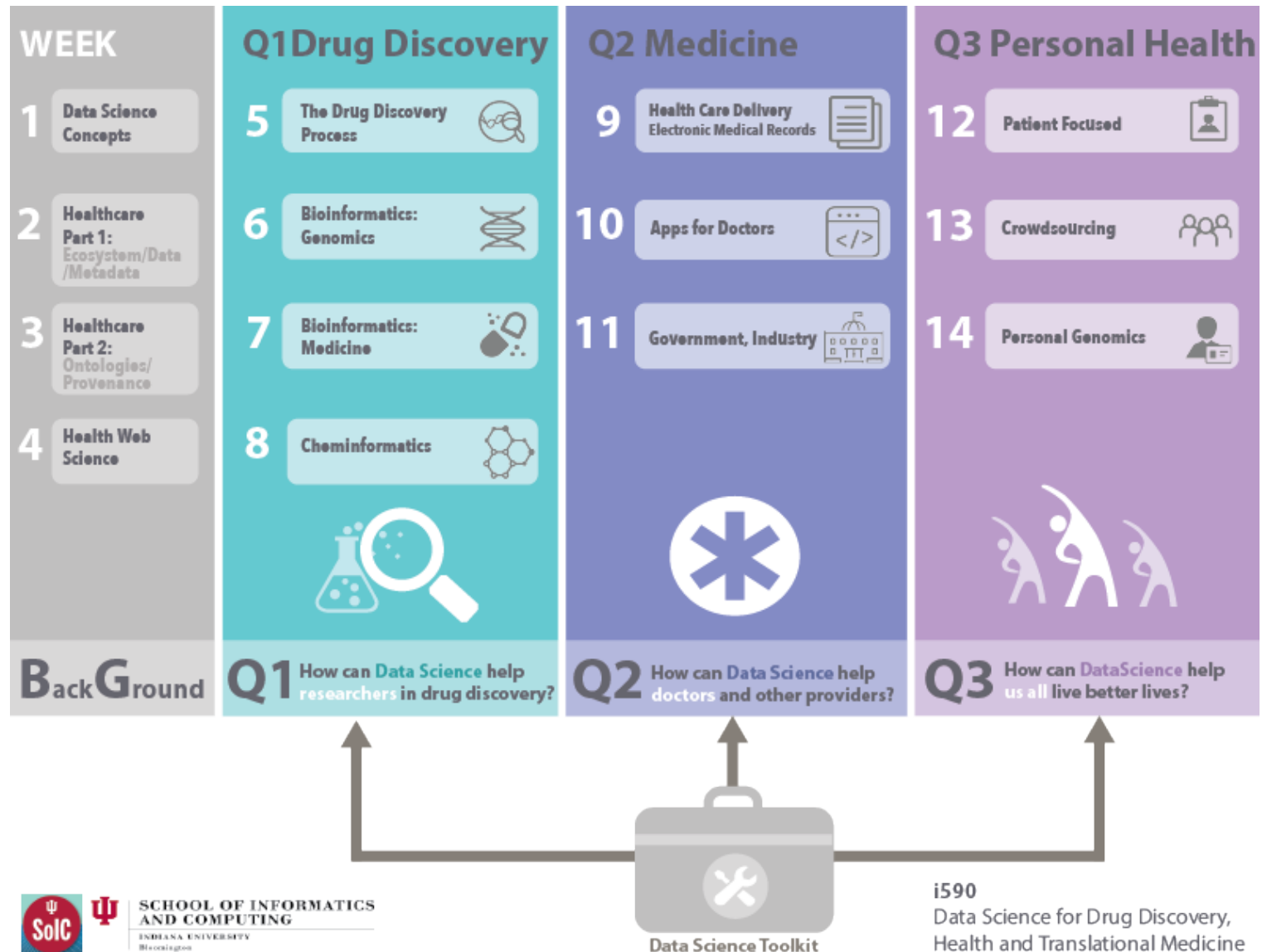
Joanne S. Luciano <https://www.linkedin.com/in/joanneluciano>

Visiting Associate Professor

Indiana University School of Informatics and Computing



# Part 3 – Applications in Medicine



## Part 3: Question 2 How can data science help doctors and other providers treat patients better?

### Topics:

Healthcare Delivery, Providers

Patient-based data, Evidence Based Medicine

Meaningful Use, Fee for Service, Capitation, Value-based care

Health Information Technology for Economic and Clinical Health Act (HITECH)

### Learning Objectives:

After completing this module, the student will be able to explain, summarize and discuss opportunities for data science to in healthcare delivery.

Students will be able to explain the transformation underway in the US healthcare system from fee for service to value based care, the use of EMRs, the role of Evidence Based Medicine in achieving Meaningful use or Electronic Medical Records. Additionally, the student will be able to explain the the health related aspects of the American Recovery and Reinvestment Act of 2009.