BDK01: Biomedical Big Data Science

Exercises

1. In your own words, define biomedical research, clinical research, and translational research.
2. Choose a topic of interest to you (such as a treatment of a disease) and search for translational research studies relating to that topic (try PubMed: <http://www.ncbi.nlm.nih.gov/pubmed>). Try to find 1 to 3 studies each that can be classified as T1, T2, or T3 translational research, and briefly describe how you classified each study. (For more information on translational research, see BDK01-01, slide 5.)

T1: activity to test what care works, such as clinical efficacy research.

T2: activities to test who benefits from promising care, such as outcomes research, comparative effectiveness research, or health services research.

T3: activities to test how to deliver high-quality care reliably and in all settings, such as measurement and accountability of health care quality and cost, or implementation of interventions and health care system redesign.