

High yield TICR classes + funding

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High-yield TICR courses for any clinical researcher

Bolded courses are those that we find the most essential, if someone is working under a budget.

- One-off classes that were very helpful:
 - **Data management:** [Data Collection and Management Systems for Clinical Research](#) (EPI 218)
 - **Implementation science:** [Introduction to Implementation Science Theory and Design](#) (EPI 245)

Classes that should be taken in series:

- **Stata-driven biostatistics (for more foundational epidemiology):**
 - Summer: [Introduction to Statistical Computing in Clinical Research](#) (BIOSTAT 212)
 - Fall: [Biostatistical Methods for Clinical Research I](#) (BIOSTAT 200)
 - Winter: [Biostatistical Methods for Clinical Research II](#) (BIOSTAT 208) -- this course was where Audrey felt like the concepts were finally tying together
 - Spring: [Biostatistical Methods for Clinical Research III](#) (BIOSTAT 209)
 - Summer (2nd yr): [Biostatistical Methods for Clinical Research IV](#) (BIOSTAT 210)

Classes that should be taken in series (con't)

- **Fundamentals of epidemiology:**
 - **Foundational epidemiology: [Epidemiologic Methods](#) (EPI 203) - caution, heavy courseload (but necessary)!!**
 - Clinical Epi (screening and prediction tests): [Clinical Epidemiology](#) (EPI 204)
 - Clinical trials methodology: [Clinical Trials](#) (EPI 205)

Classes that should be taken in series (con't)

- **R-driven biostatistics (more helpful with big data, genomics etc.):**
 - Summer: [Programming for Health Data Science in R](#) (BIOSTAT 213)
 - Fall: [Programming for Health Data Sciences In R II](#) (BIOSTAT 214)
 - Winter: [Machine Learning in R for the Biomedical Sciences: Methods for Prediction, Pattern Recognition, and Data Reduction](#) (BIOSTAT 216)

Funding Information

- In terms of funding, Audrey and Katherine shared their mechanisms through their grants:
 - T32 provides \$16,000 per year if the recipient is pursuing a degree, or \$4,500 per year for classes if not.
 - NHLBI StARR funded 1 year of the TICR Masters
 - VA Quality Scholars funded 1 year of the TICR Masters
- NCSP also supports the TICR Masters