



Results from an Informal Census of Nuclear Physics Faculty in the United States

DNP Fall Meeting 2024, Boston MA

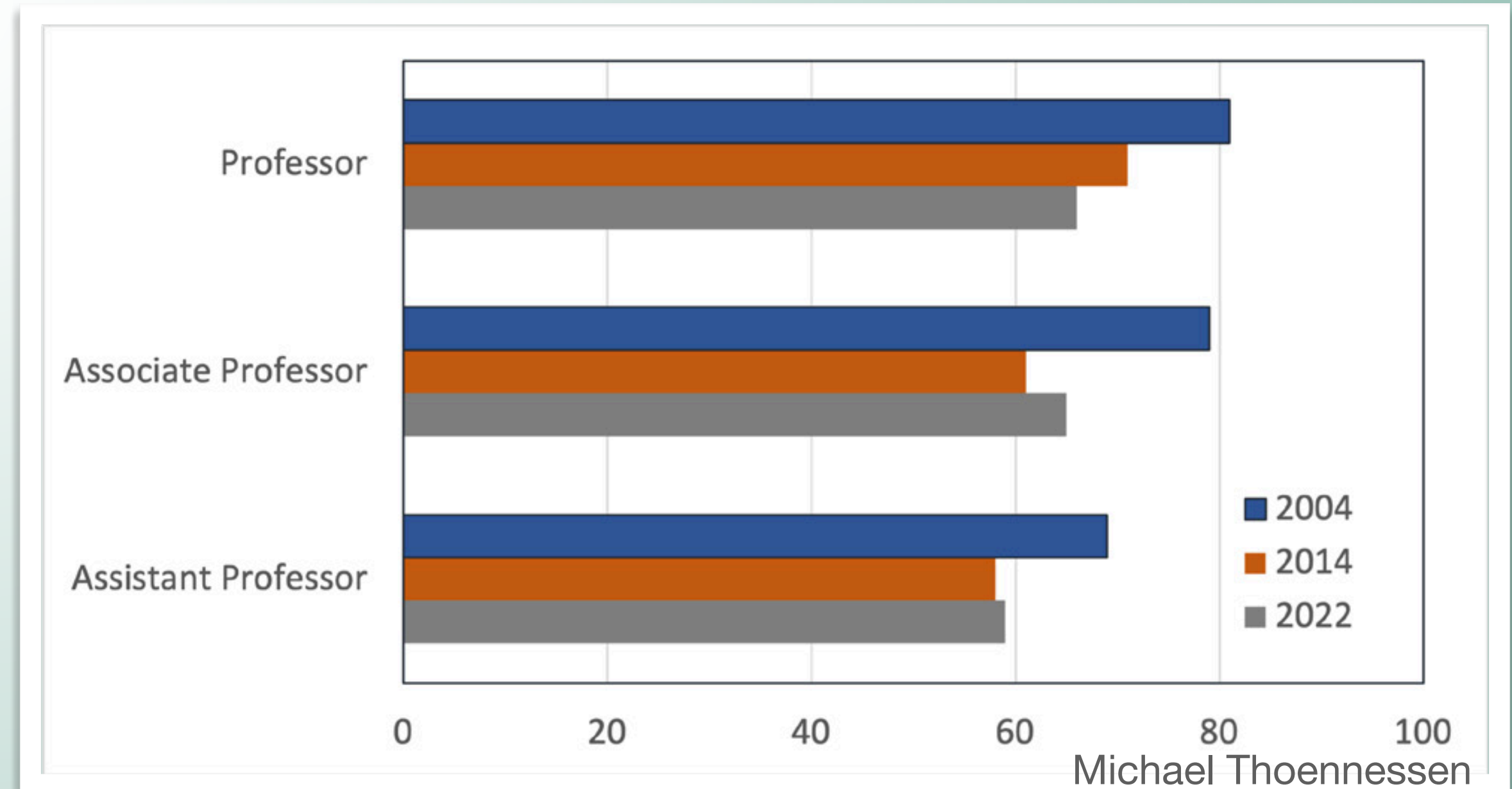
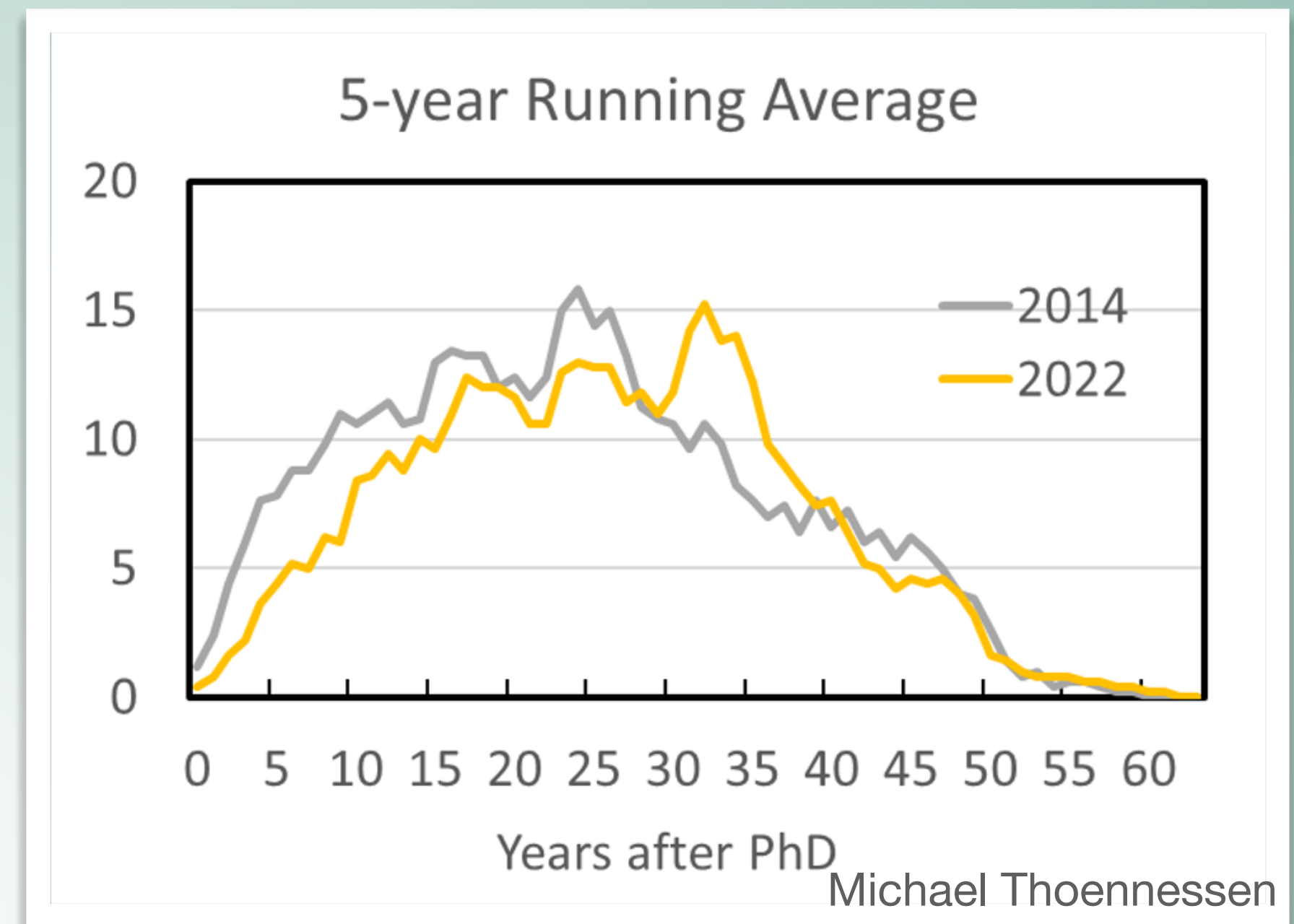
Reyco Henning

U. Of North Carolina at Chapel Hill / Triangle University Nuclear Laboratory

Based on earlier work by Michael Thoennessen, Michigan State University/FRIB

Motivation

- Survey of all **tenure-track nuclear physics faculty** in the USA
- Faculty demographics important for monitoring vitality of field.
- Used in long-range planning exercises.
- DNP Education Committee charged with this task in 2023
- Continuing work by Michael Thoennessen

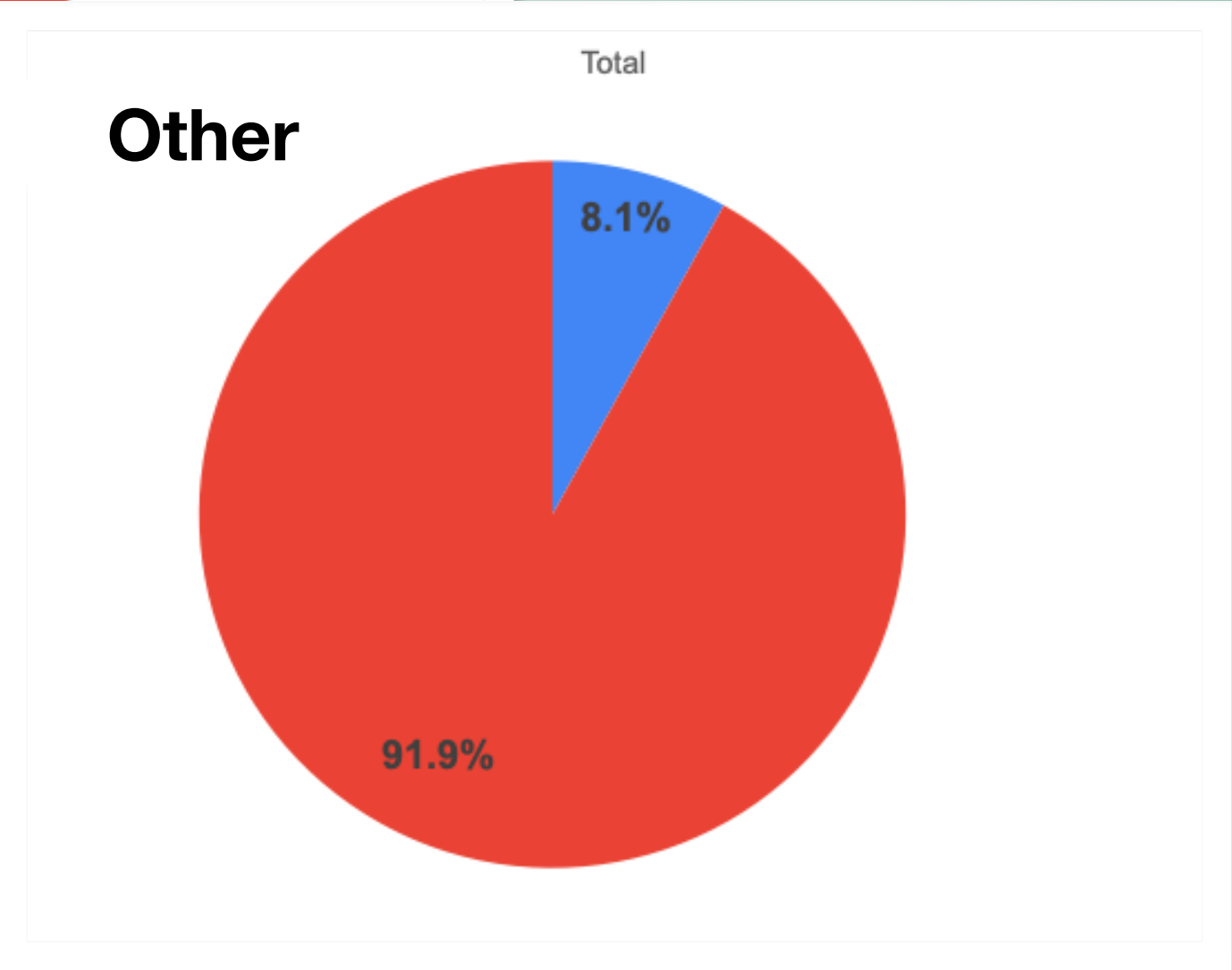
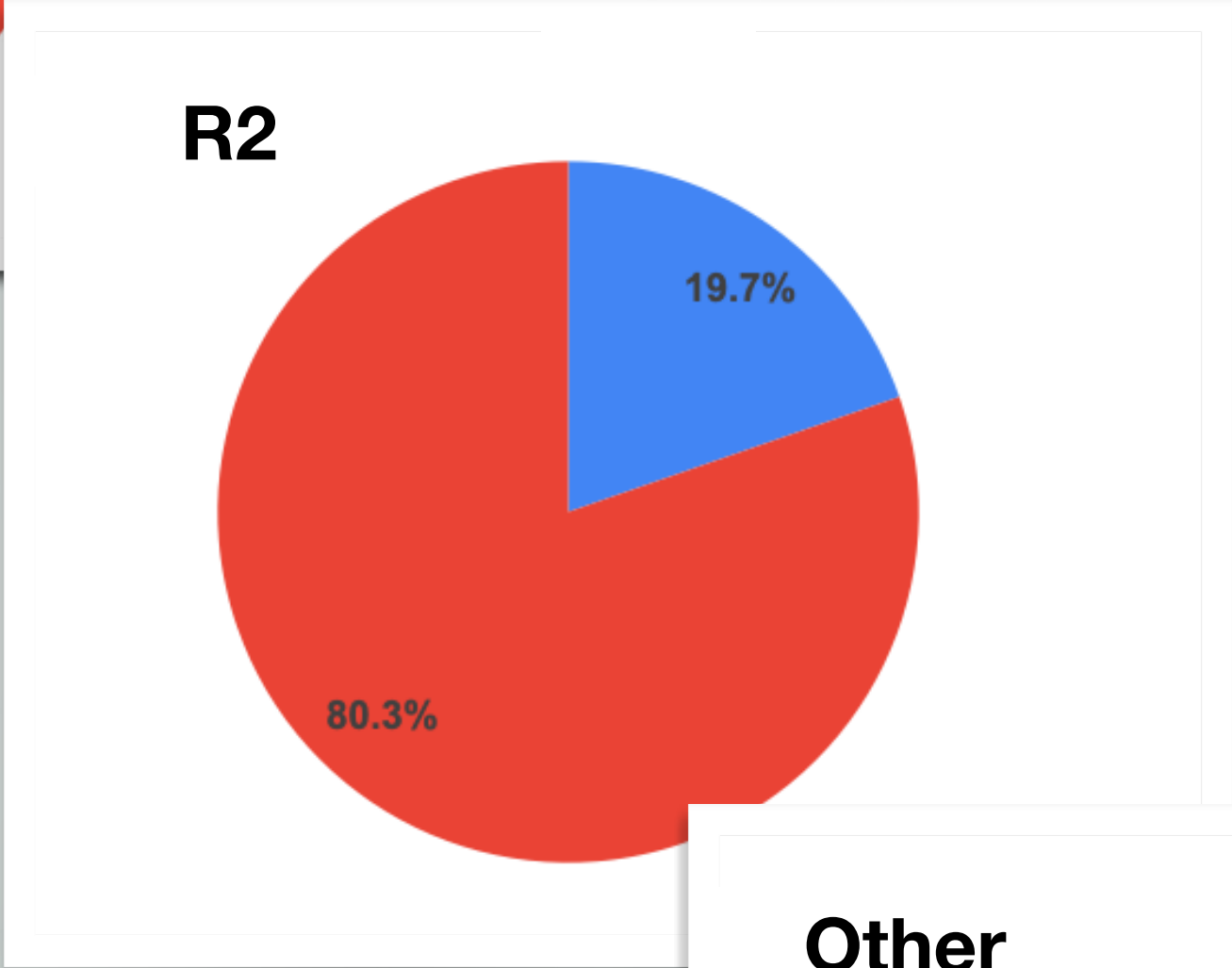
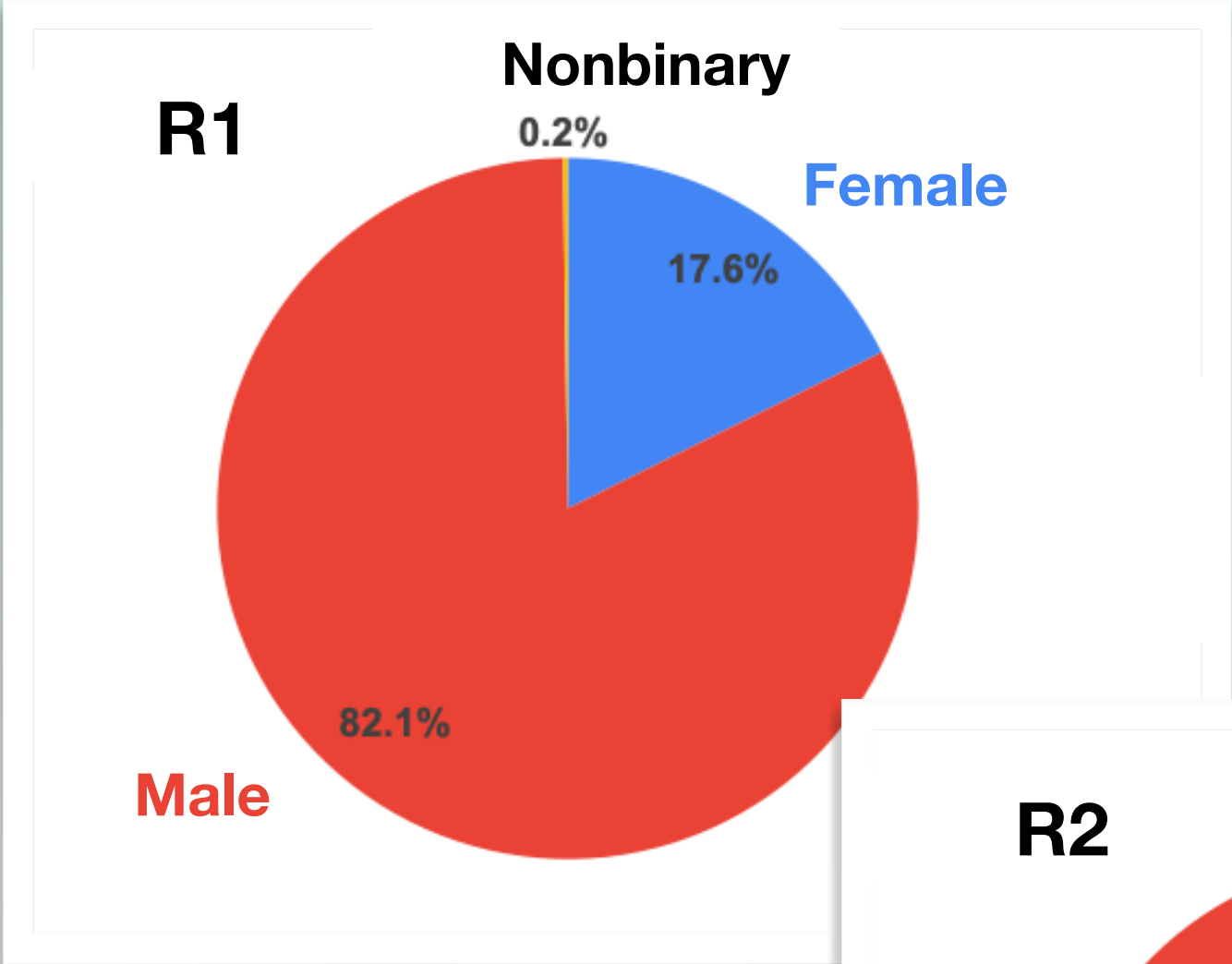
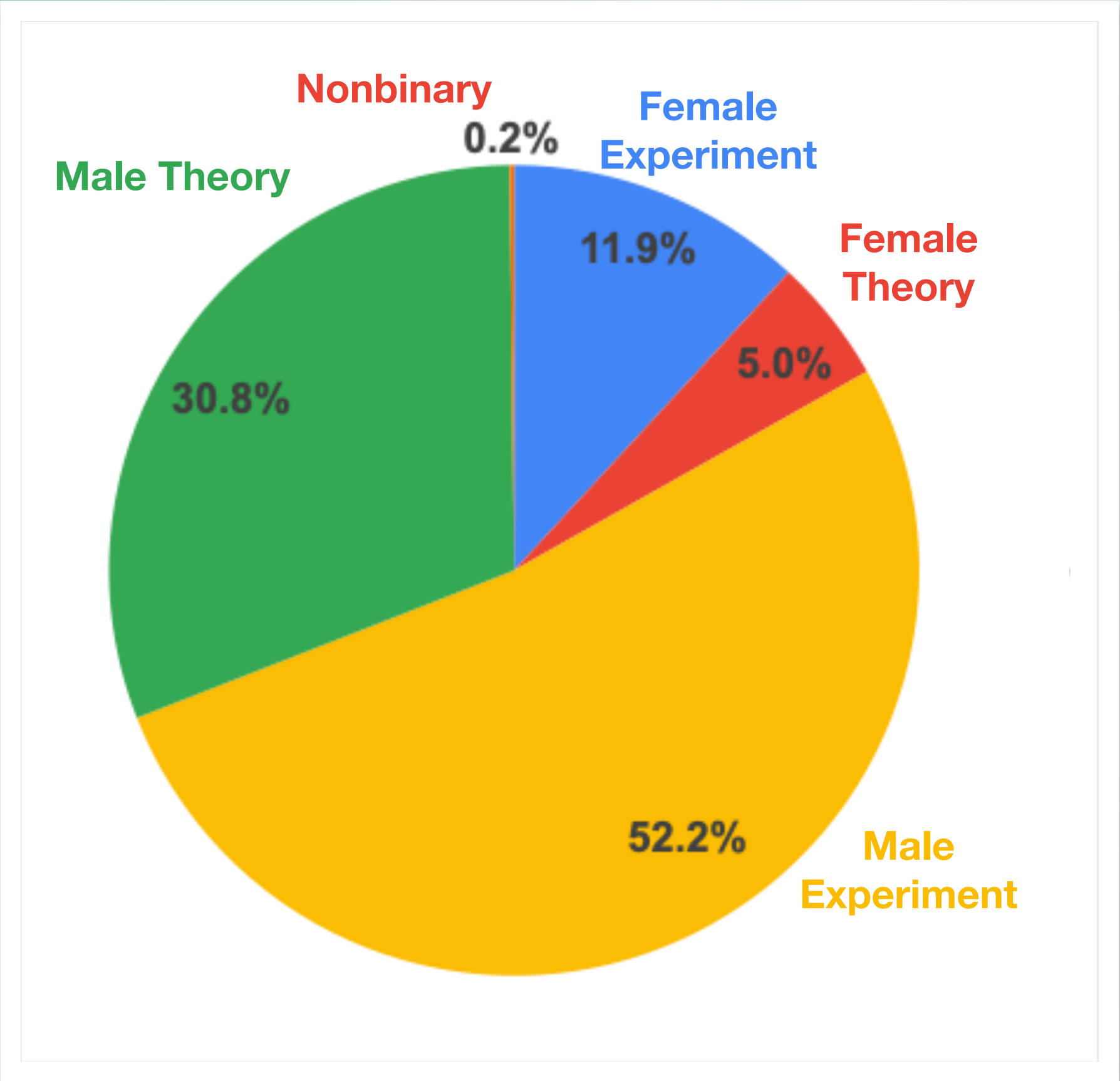


Methodology

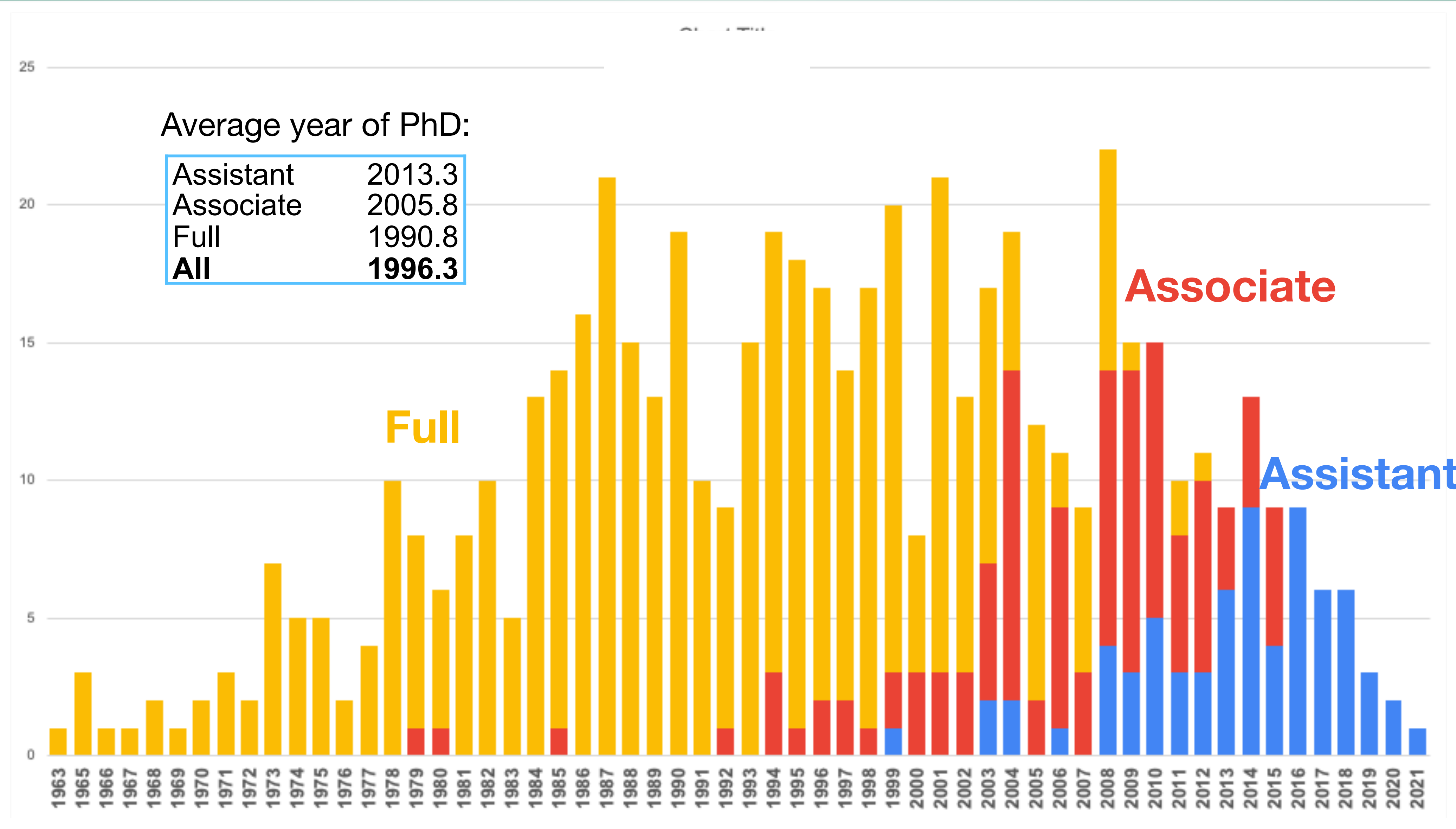
- Only tenure-track faculty with research activity in nuclear physics (per DOE ONP definition). Does not include pure teaching faculty or research professors.
- Source of information:
 - Original 2022 Thoennessen Spreadsheet
 - Departmental Websites
 - LinkedIn
 - InspireHep
 - Googlescholar
 - DNP Membership List
 - RateMyProfessor
- This talk: Collected/updated/confirmed information for all faculty in 2024.
- Information Collected:
 - Institution and State
 - Gender
 - Rank (Assistant, Associate, Full, Em.)
 - Field (FRIB/NS/NA, RHIC, JLAB/EIC, W/F)
 - PhD Institution and Country
 - PhD Year
 - Theory or Experiment
 - R1/R2/Other
 - HBCU?
 - DNP Member?

} New
- Increased number of faculty from 492 to 581
- Did **not** collect contact information
- Method is not perfect. Lots of “judgment calls”

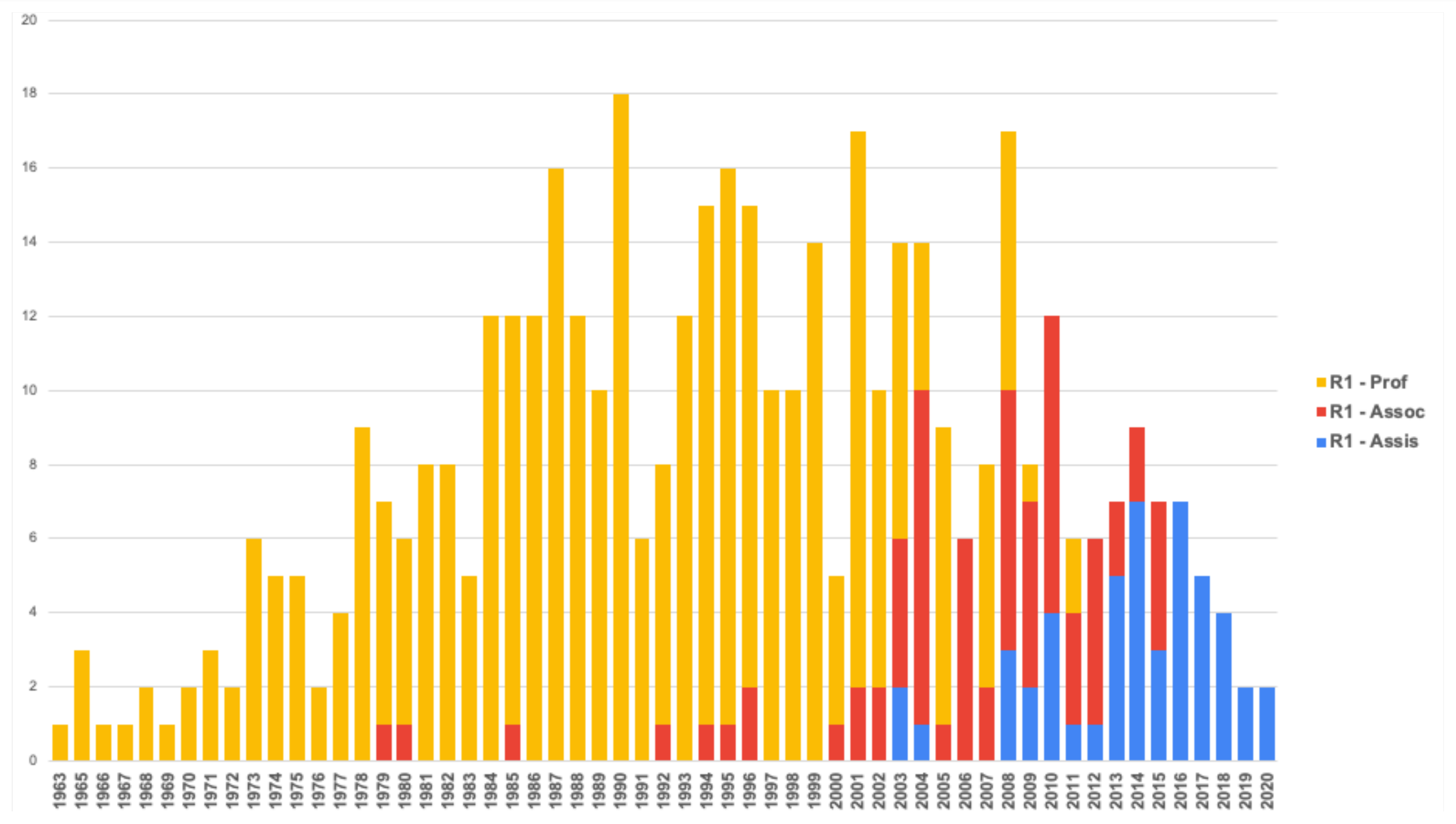
Gender Distributions



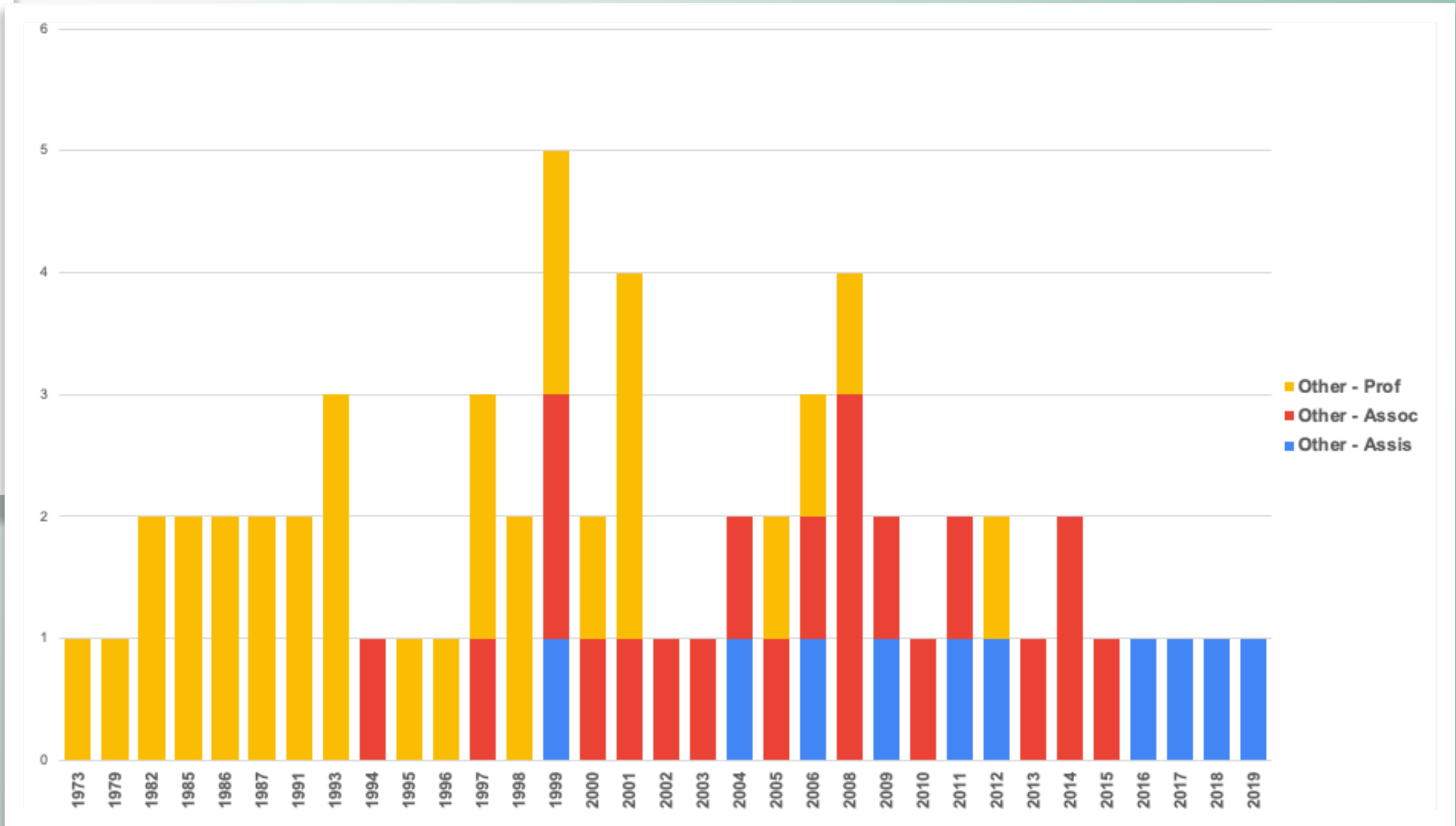
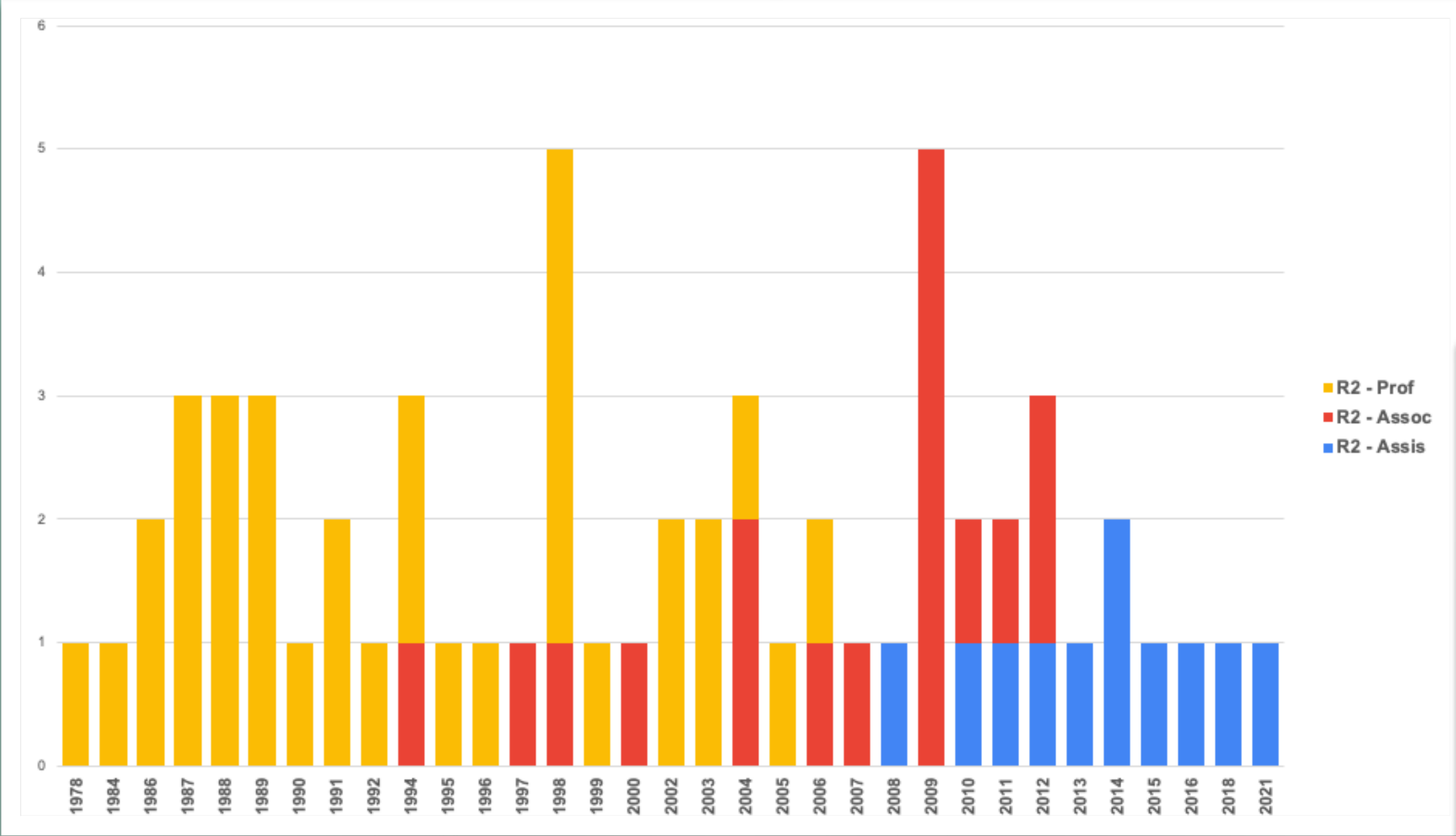
Year of PhD



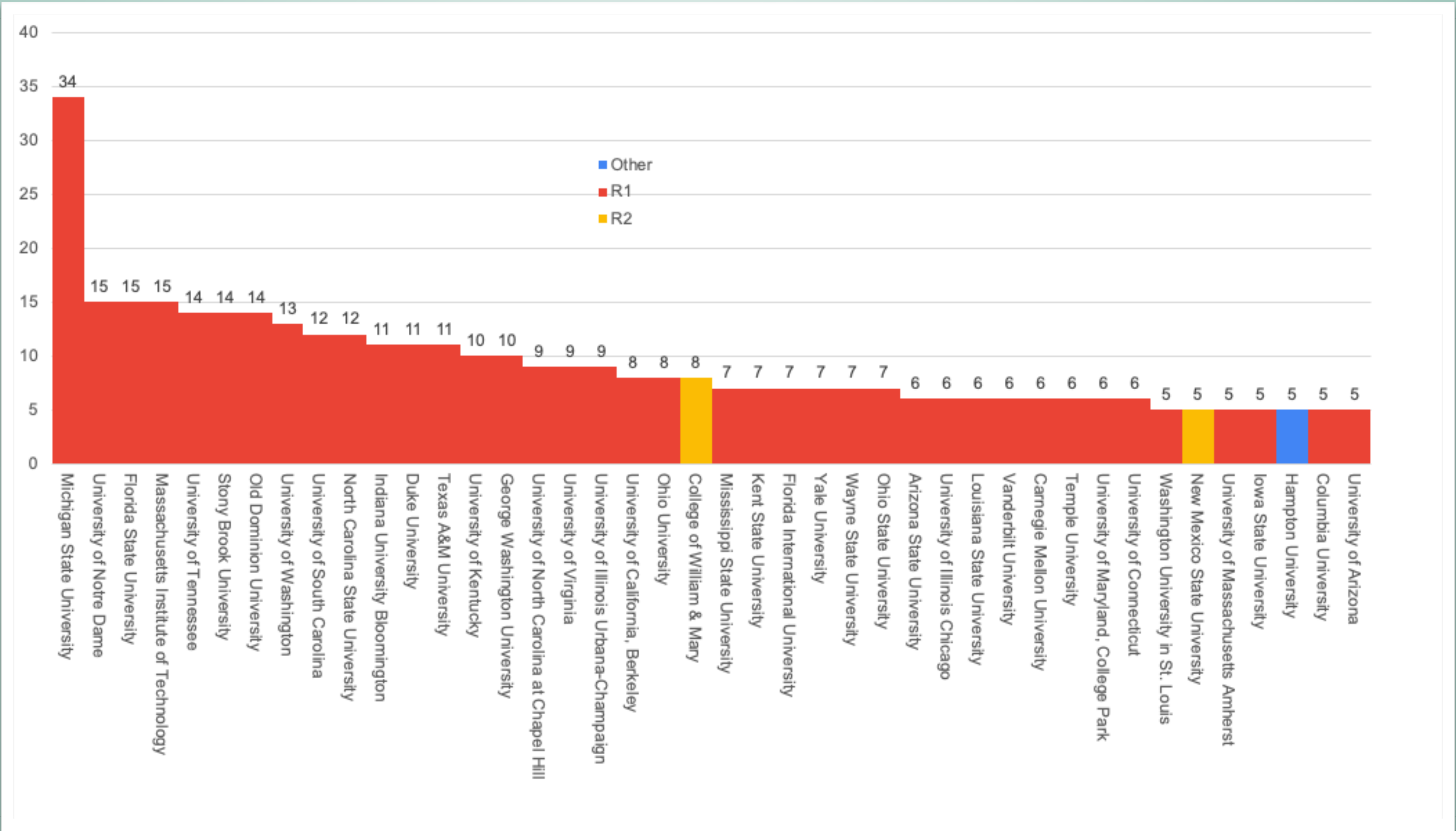
Year of PhD: R1



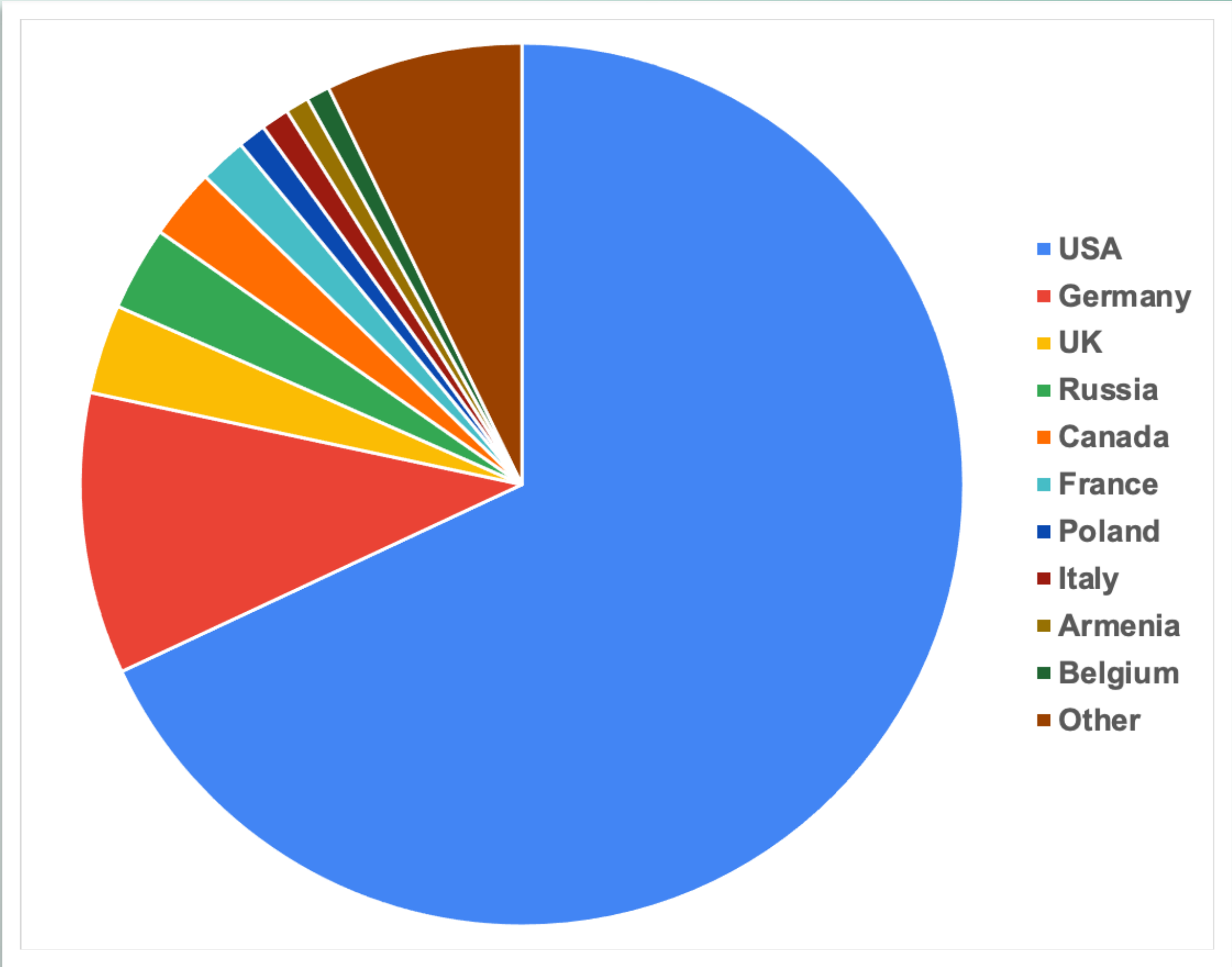
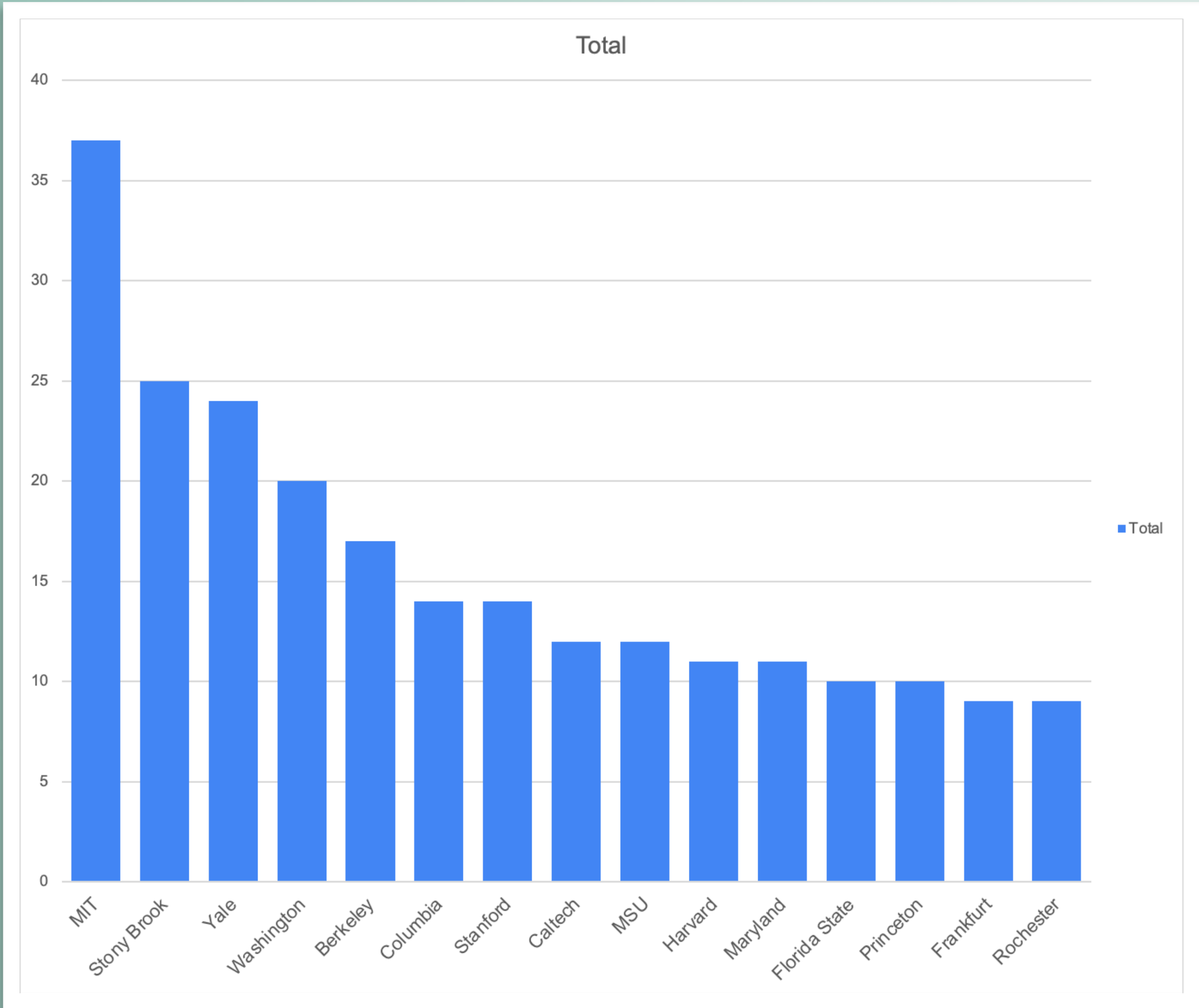
Year of PhD: R2 and Other



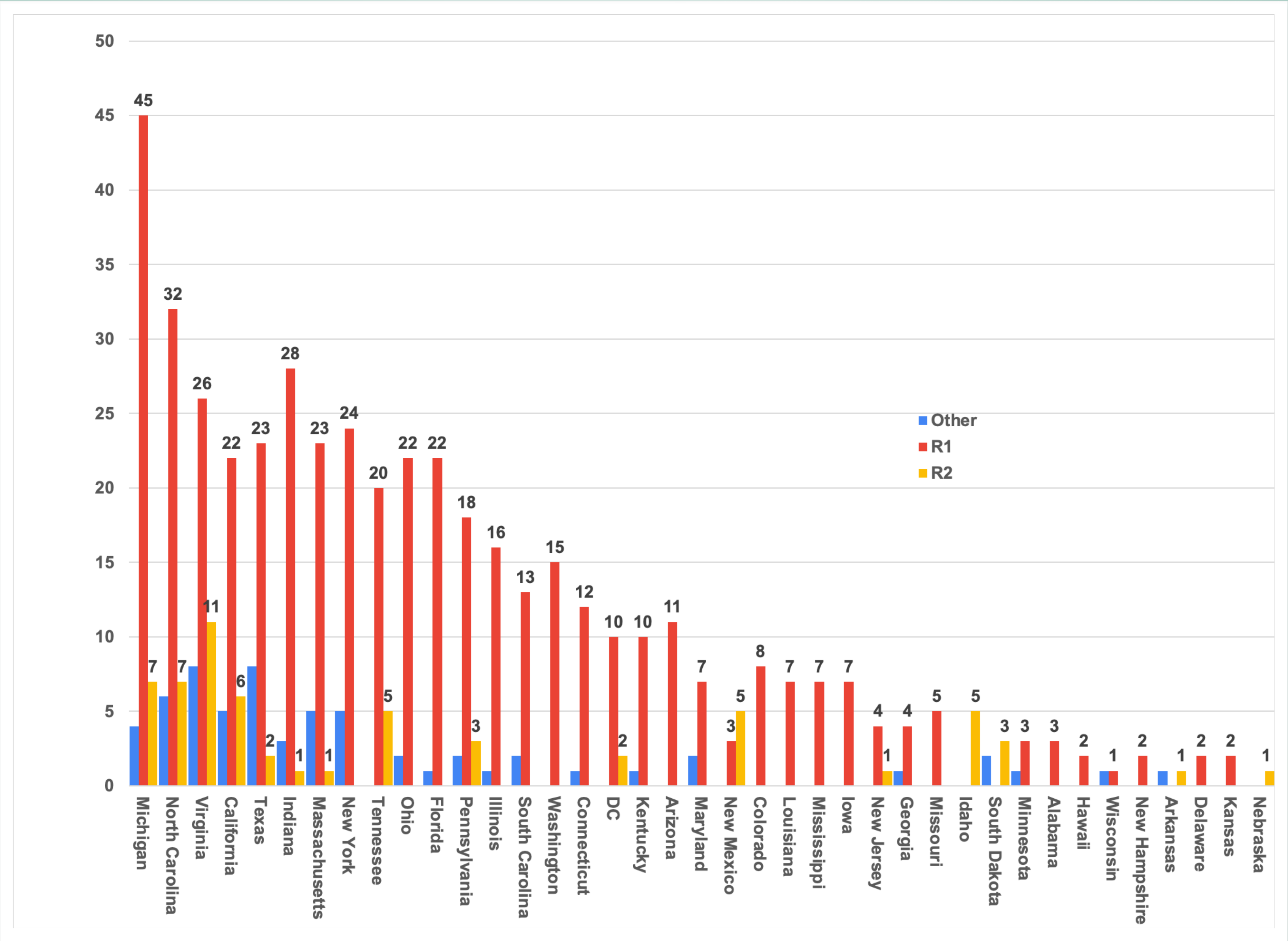
Number of Faculty by Institution



Top Faculty PhD Institutions and Countries

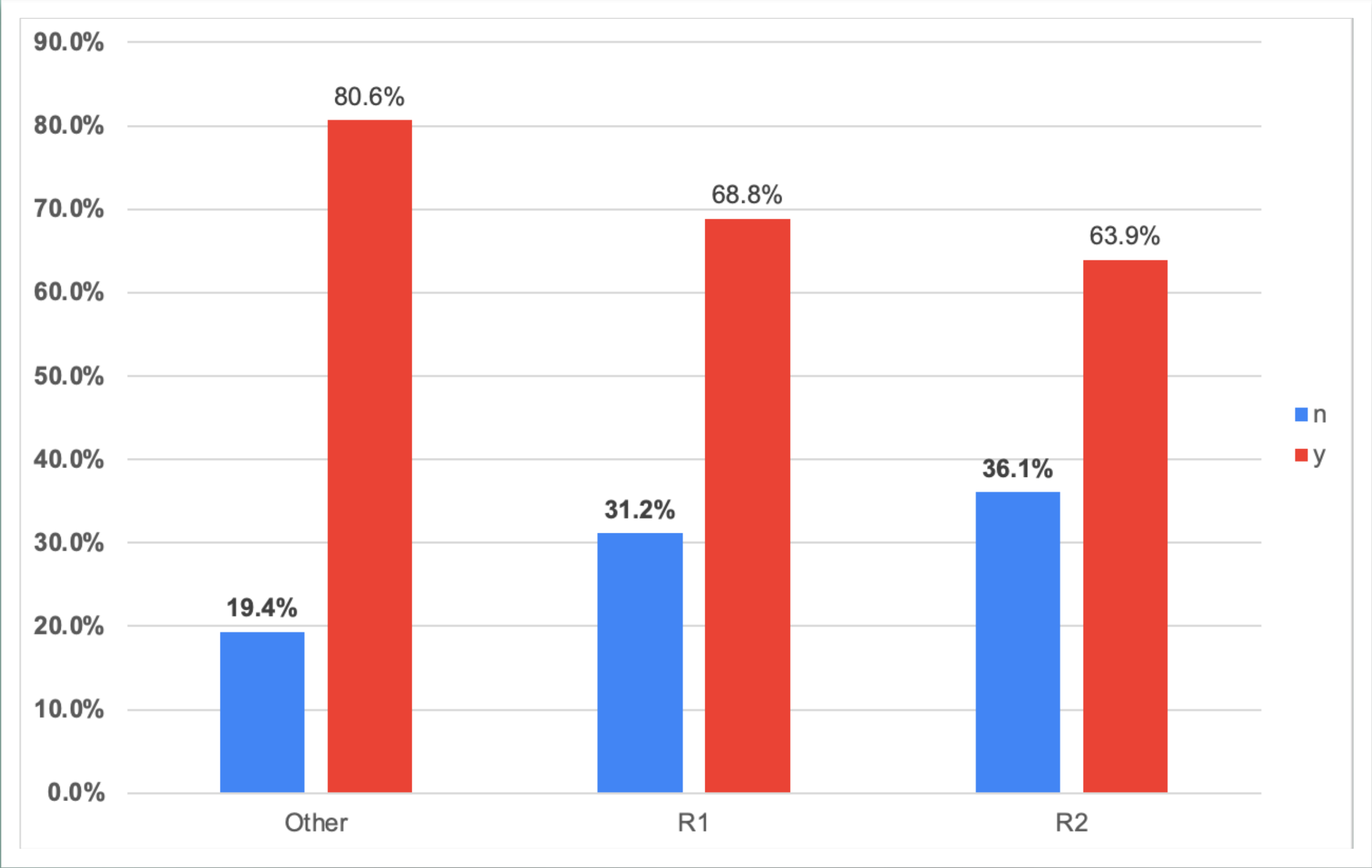


Faculty Distribution by State

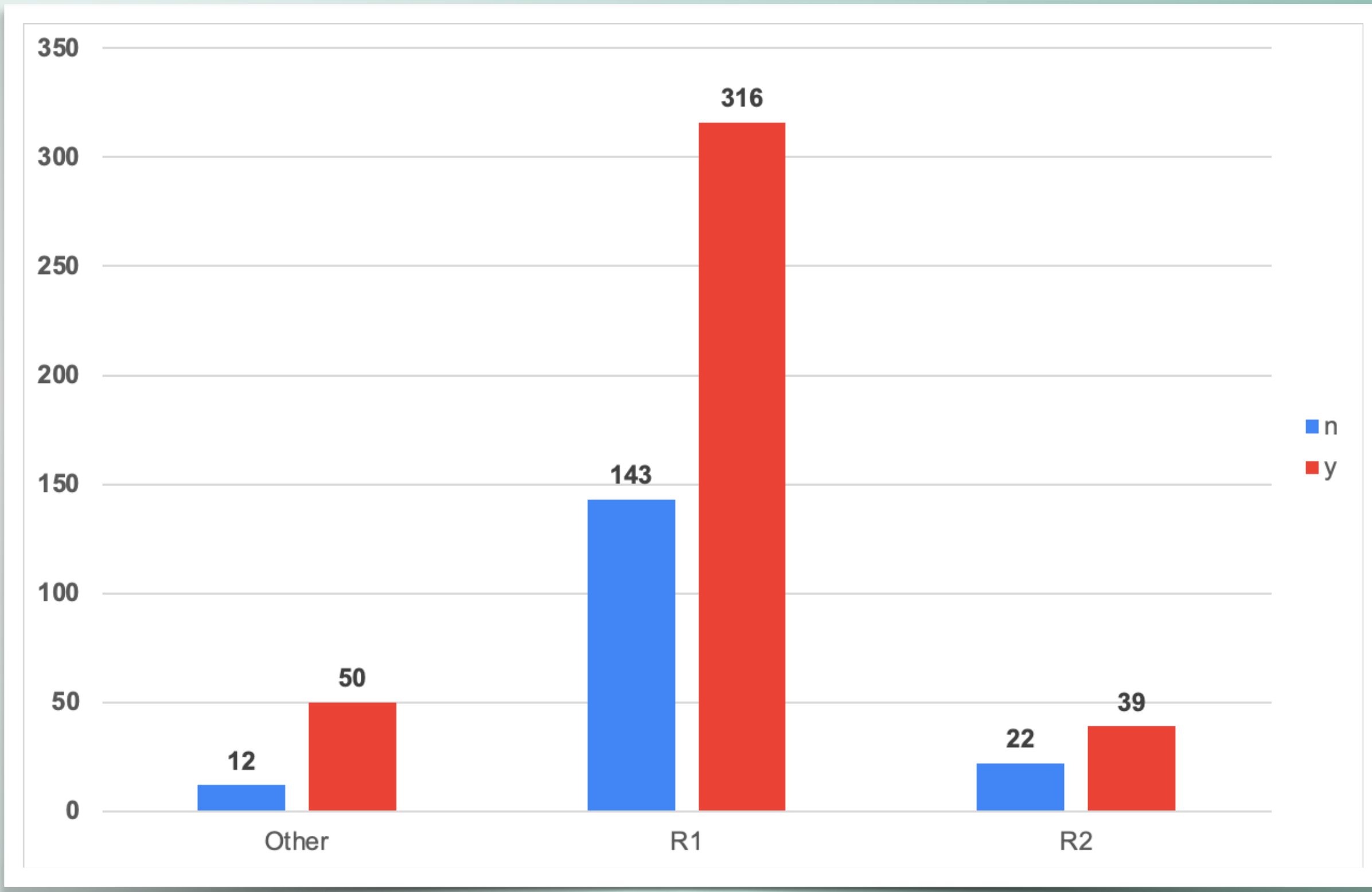


DNP Membership

By Percentage



By Number



Conclusions and Future Work

- Presented results from an informal census of nuclear physics faculty in the US
- Based on previous work by Michael Thoennessen.
- Broadened the criteria and increased faculty count from 492 to 581
- Future Work:
 - Identify Hispanic Serving Institutions
 - Correlate with previous census (2014, 2022)
 - Breakdown by field — challenging
- Propose repeating every 2-3 years (2-3 times per LRP exercise)
 - Delegate/divide up work
- Welcome suggestions!