



The American Association of Geographers

The State of Geography

**An Analysis of U.S. Federal Data from the National Center of
Education Statistics**

The State of Geography

Executive Summary

This report contains data retrieved from the National Center for Education Statistics (NCES) in order to determine trends within the discipline of geography by analyzing bachelor's, master's, and doctoral degrees conferred by CIP code. The National Center for Education Statistics (NCES) is the primary federal entity for collecting and analyzing data related to education in the U.S. and other nations. NCES is located within the U.S. Department of Education and the Institute of Education Sciences. NCES fulfills a Congressional mandate to collect, collate, analyze, and report complete statistics on the condition of American education; conduct and publish reports; and review and report on education activities internationally (<https://nces.ed.gov/about/>).

What is a CIP code? Developed in 1980, the Classification of Instructional Programs (CIP code) provides a taxonomic scheme that supports the accurate tracking and reporting of fields of study and program completions activity (nces.ed.gov). Revisions of current CIP codes and/or additions of new CIP codes can take place. Each degree conferred in higher education is assigned a CIP code according to the relevant field of study.

What CIP codes were used in this report? Due to the multidisciplinary nature of geography, there are many CIP codes related to the study of geography, as reported by geography departments across the United States and through NCES categorization. For this report, data associated with the following CIP codes were used to determine the state of geography, heretofore referred to as "Geography and Geography-related CIP code group":

- 45.0701 Geography
- 45.0799 Geography, Other
- 45.0702 Geographic Information Science and Cartography
- 43.0407 Geospatial Intelligence
- 30.4401 Geography and Environmental Studies
- 45.1501 Geography and Anthropology

Using CIP codes to examine the State of Geography. Geography and geography-related CIP codes are indicators of trends in geography as a discipline. By looking at the number of degrees conferred within these CIP codes over time, we can make conclusions about the health of geography departments and programs; the diversity of geography according to race, gender, and ethnicity; and assess trends related to geography and geography-related programs and degrees conferred. We will also compare trends within geography to trends within other CIP code groups, including social sciences, physical sciences, other fields of study, and higher education. These groups and their related CIP codes can be found in Appendix A.

Limitations on CIP code use. Geography departments or programs often report the use of CIP codes that do not contain the word geography (none of which are included in this report). As indicated by a 2020 AAG survey of geography department chairs, other CIP codes reported by geography programs include, but are not limited to: City/Urban, Community and Regional Planning; Data Modeling/Warehousing and Database Administration; Development Economics and International Development; Environmental Studies; Environmental Science; Geology/Earth Science, General; Meteorology; Multi-/Interdisciplinary Studies, Other; Natural Resources Conservation and Research; Natural Resources Management and Policy; Public Health, Other; and Science, Technology and Society.

Race & Ethnicity. All race and ethnicity categories and their related data are reflective of the definitions provided by NCES, with the exception of the term "Nonresident Alien" which was modified to "Student Visa Holder". *(Note: Since first issuing the report in December 2022, AAG has also replaced the term "Minority" with the term "Historically Excluded" in its visualizations of degree conferrals by racial or ethnic identity. All other information remains the same).* The AAG recognizes that these categories are not fully reflective or inclusive of all racial and ethnic groups, and merely uses these terms for the purpose of benchmarking Geography against wider trends in higher education, as reported by the U.S. federal government. In future State of Geography reports, we plan to introduce new data sources and explore new ways of presenting and visualizing this data to incorporate more inclusive, comprehensive, and accurate representations of the true diversity of our field.

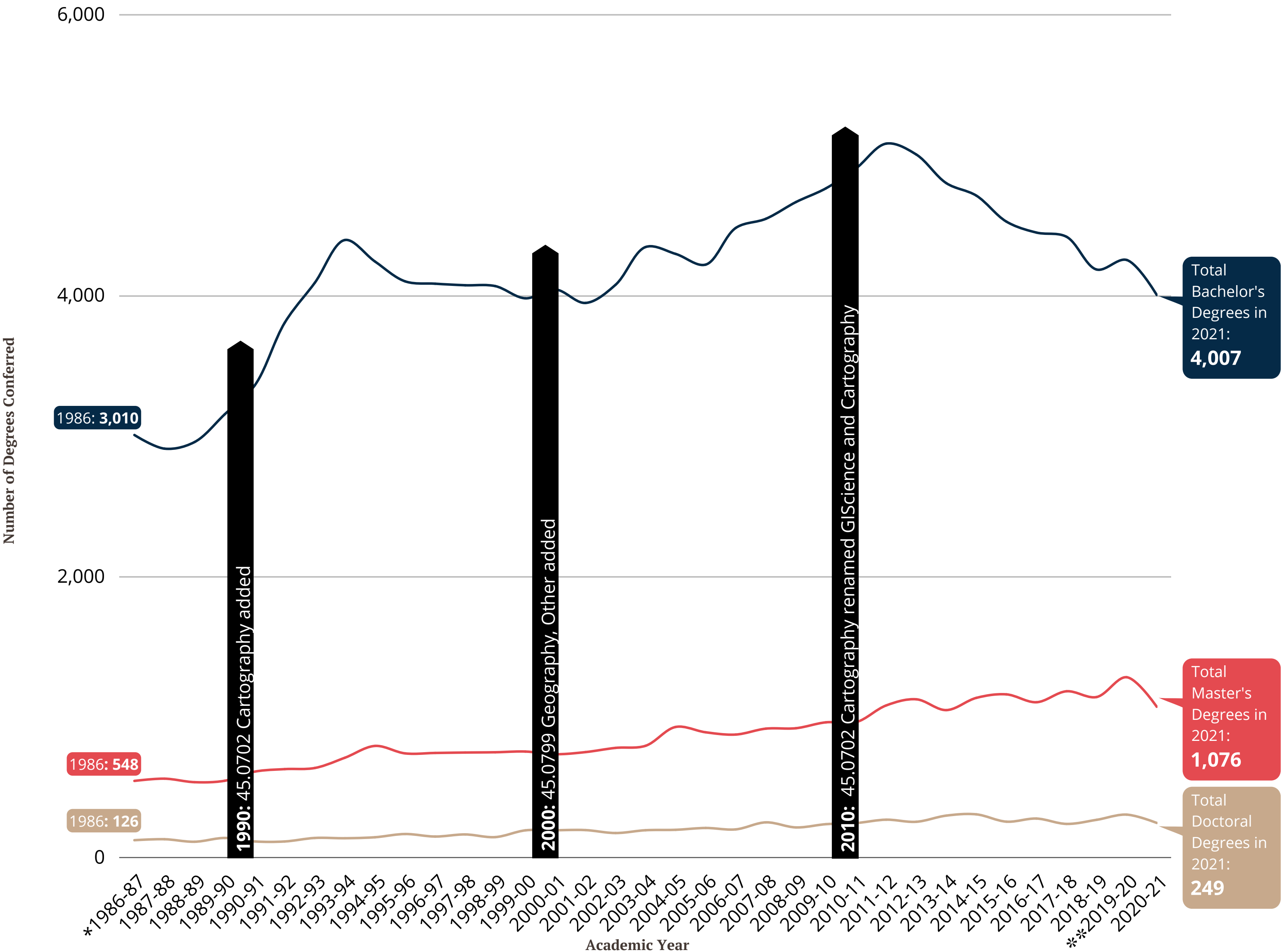
Geography at Community Colleges. The growth of geography at community colleges is an important trend with potentially big implications for geography's future. However, our initial State of Geography Report does not explore trends at the Associate's level, due to the lack of reliable data on the reporting of CIP codes by combined/hybrid community college geography programs. We plan to address growth trends at the Associate's level in future editions of the State of Geography Report.

The future of the State of Geography Report. It is our understanding that the state of geography is reflected in more than just the conferring of degrees by CIP code. Our goal is to continually add new data from a variety of sources, such as NCES, AAG surveys, and AAG member expertise, to the foundational data within this premier report in order to gain a more complete picture of trends within geography to ultimately better understand and seek improvements regarding the health of geography departments and programs.

We view this report as a collaborative and living document. We welcome any questions, ideas, or suggestions about the findings at data@aag.org. We look forward to hearing from you.

Mark Revell and Mikelle Benfield
Career Programs and Disciplinary Research
The American Association of Geographers
Washington, D.C.

The State of Geography



*45.0701 Geography CIP code created in 1980
**Geography-related CIP codes added in 2020

- 43.0407 Geospatial Intelligence
- 30.4401 Geography and Environmental Studies
- 45.1501 Geography and Anthropology

■ Bachelor's ■ Master's ■ Doctoral

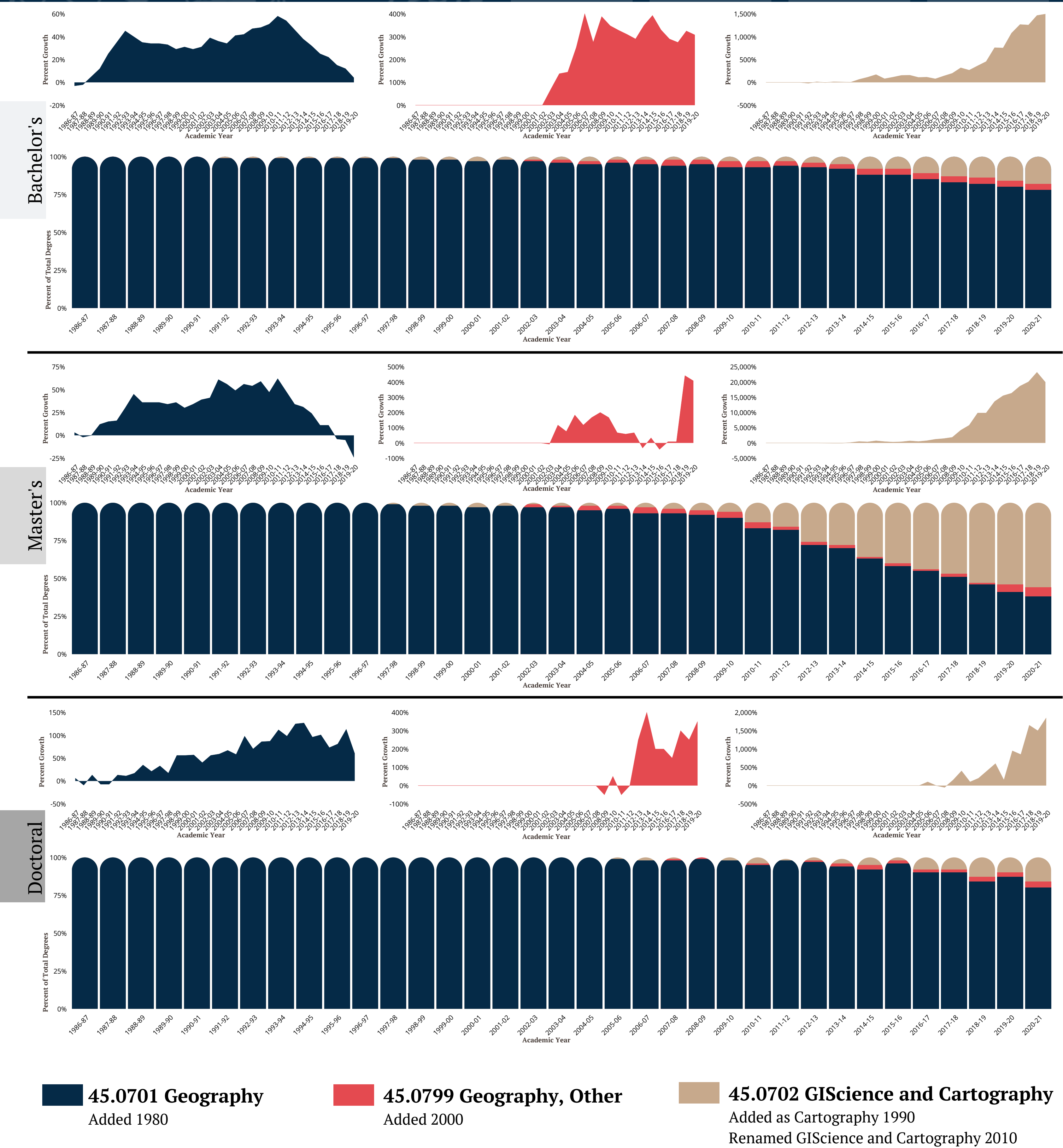


Figure 1. Trends in Geography Degrees Conferred Over Time

Number of Bachelor's, Master's, and PhD Degrees Conferred by Geography and Geography-Related CIP code, 1986-2021

The State of Geography

by geography-related CIP code



*Due to the low number of degrees conferred by the following CIP codes added in 2020, they are not included in Figure 2:

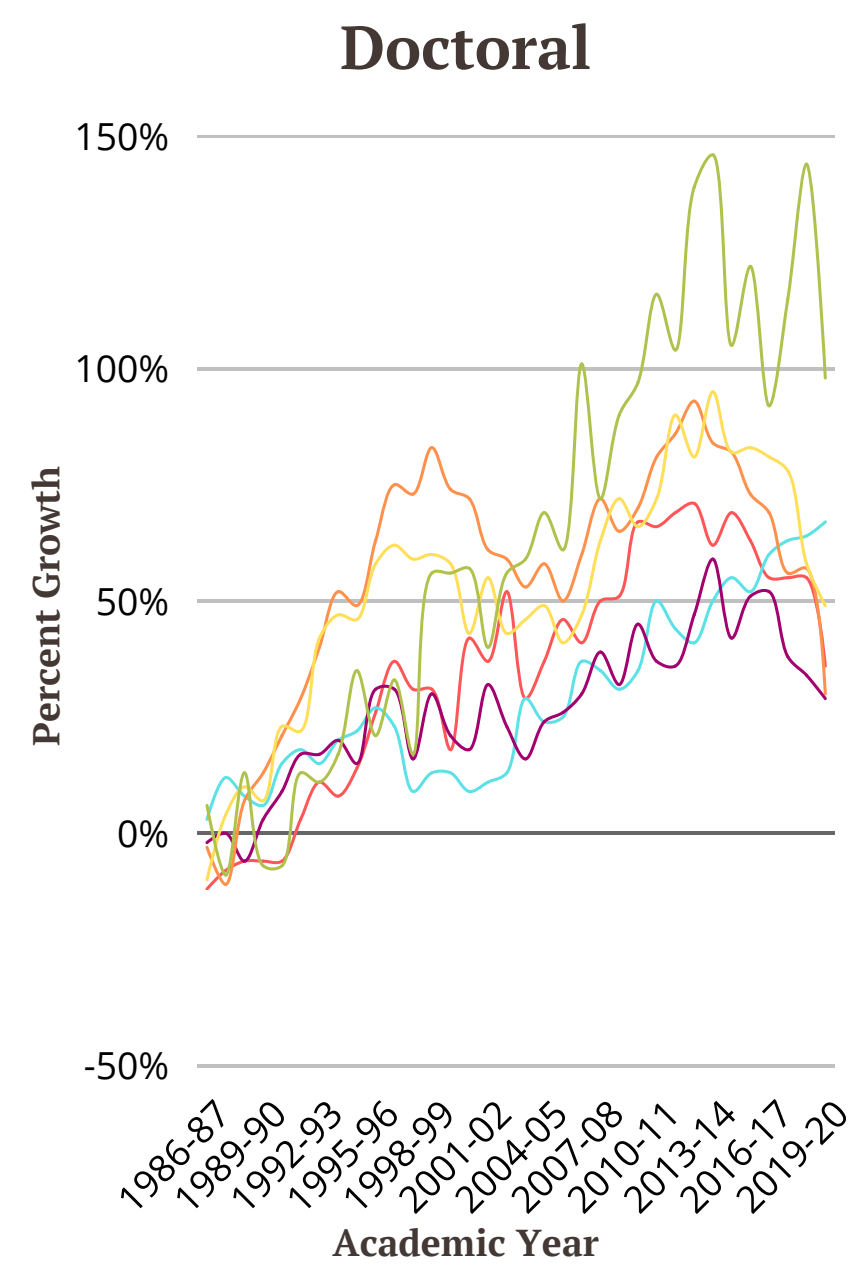
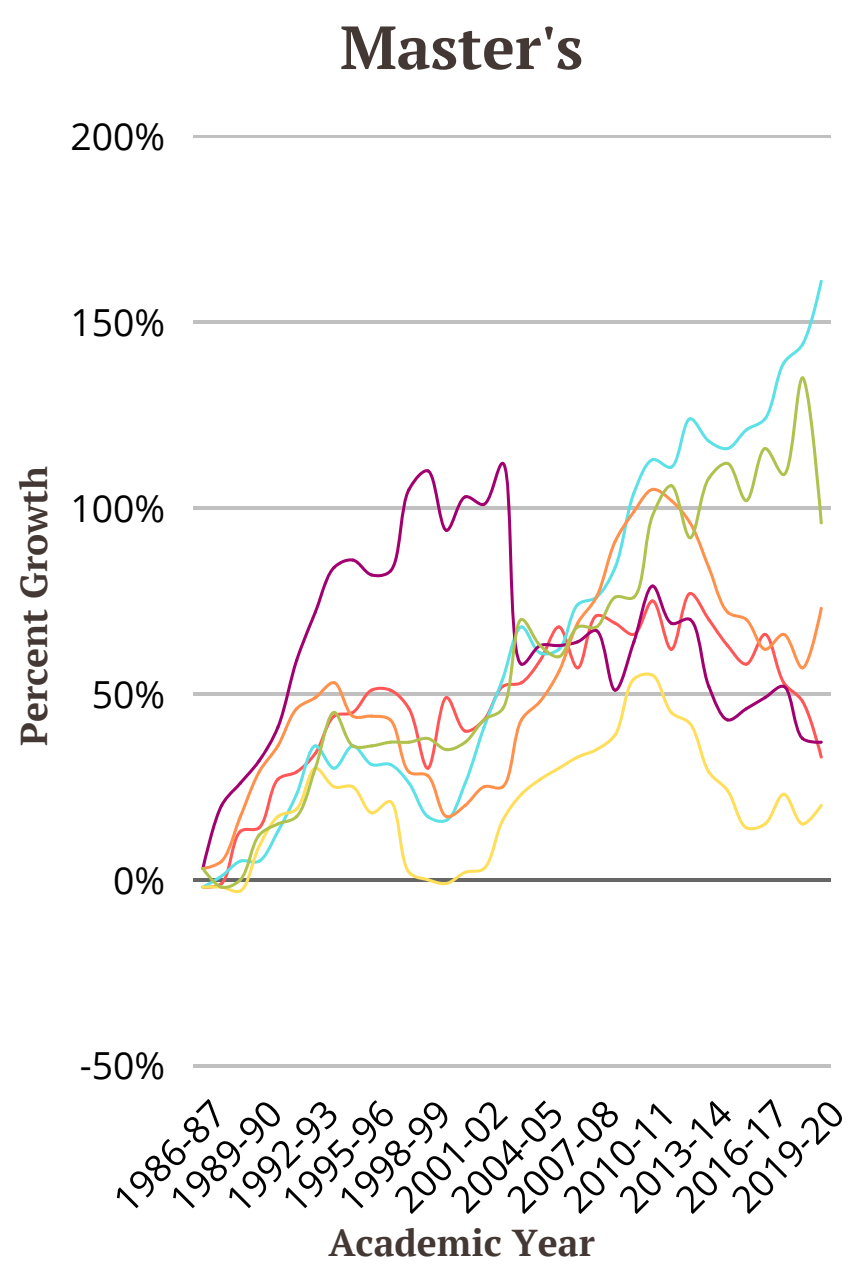
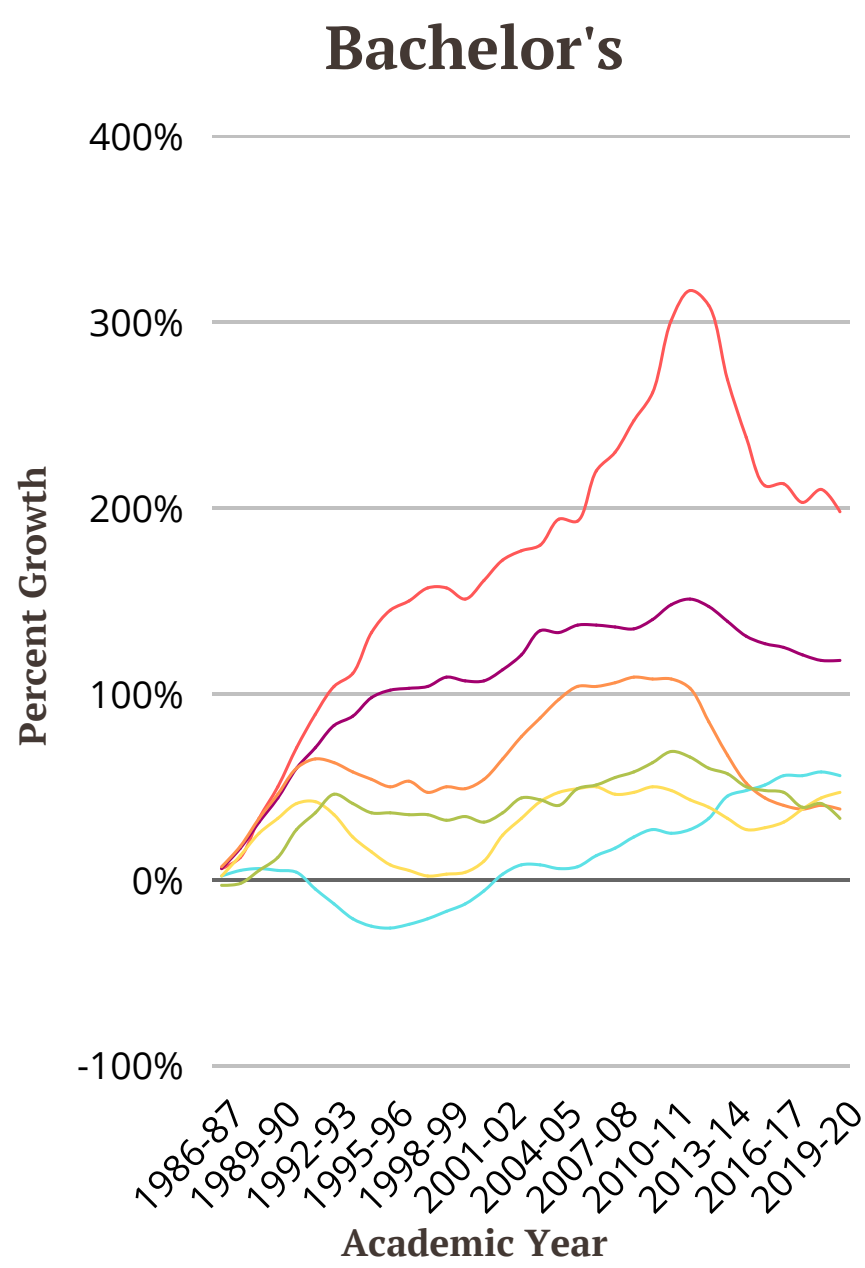
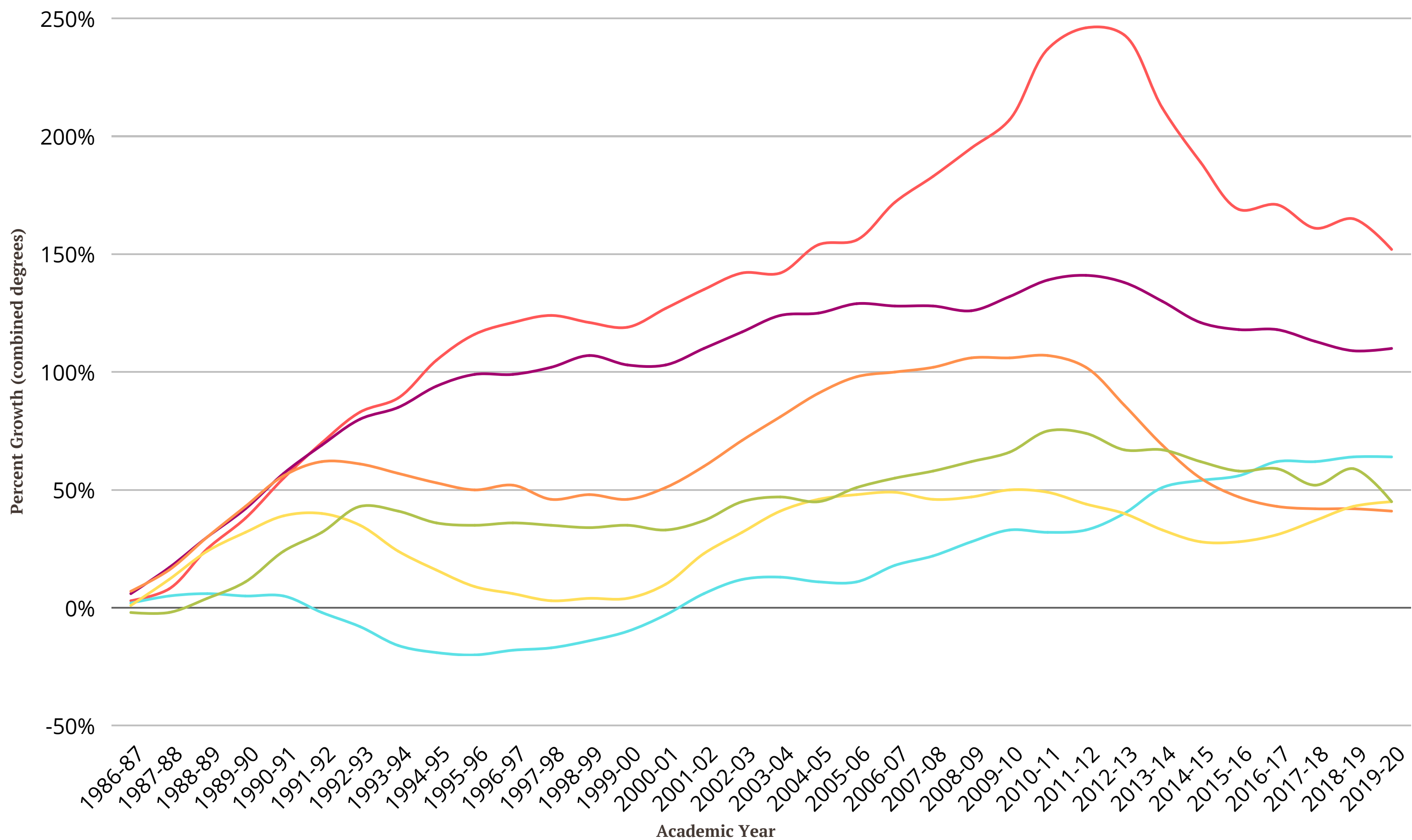
- **43.0407** Geospatial Intelligence
- **30.4401** Geography and Environmental Studies
- **45.1501** Geography and Anthropology



Figure 2. Trends in Geography Degrees Conferred Over Time by CIP Code

Percent growth and proportion of total Bachelor's, Master's, and PhD degrees conferred by Geography and Geography-related CIP code, 1986-2021

The State of Geography vs other social sciences

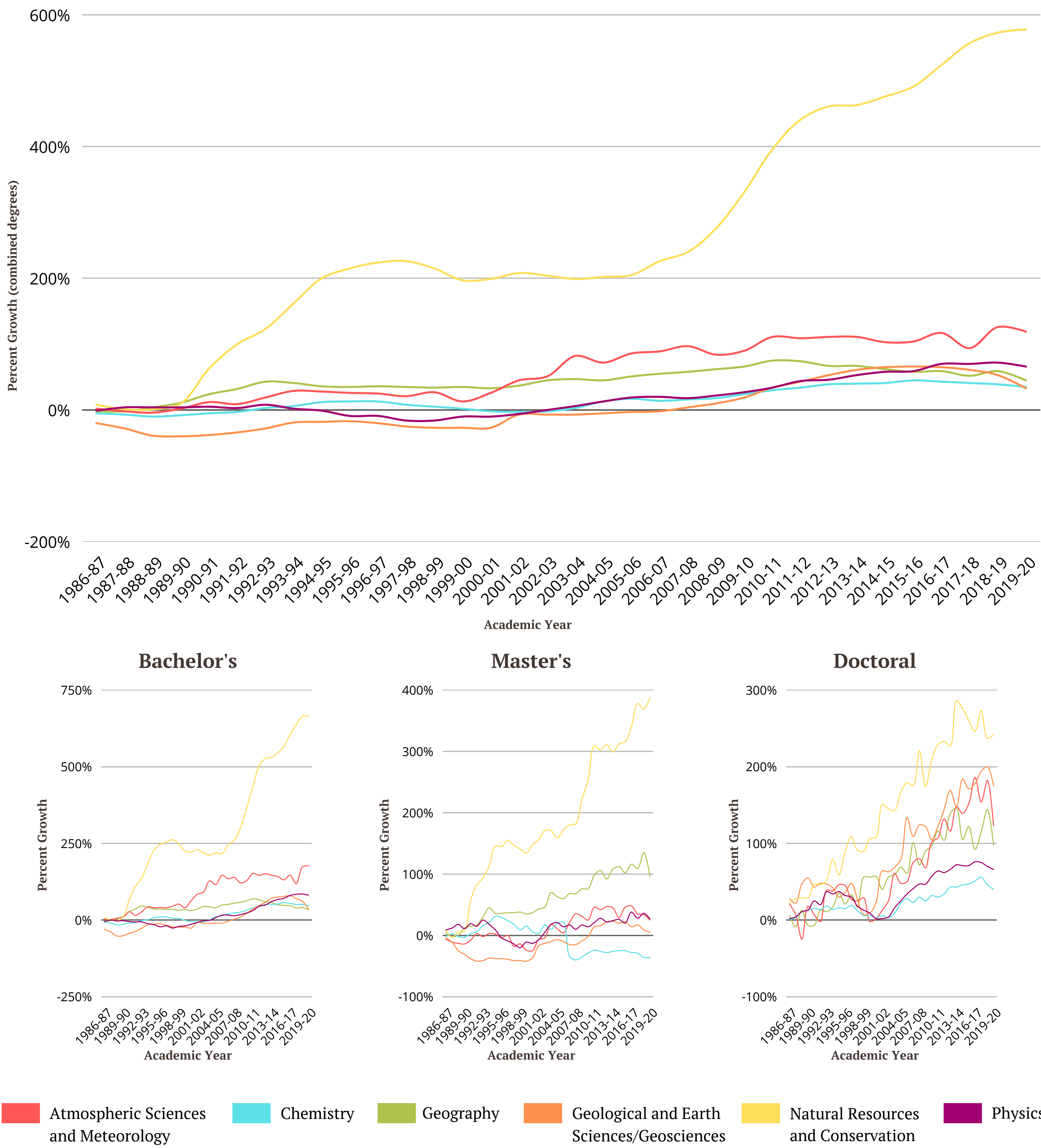


Anthropology Economics Geography History Political Science & Government Sociology

 **Figure 3. How Does Geography Compare to Other Social Sciences?**

Percent growth of degrees (combined and individual Bachelor's, Master's, PhD) conferred by Social Science CIP codes (45.02 Anthropology, 45.06 Economics, 54.01 History, 45.10 Political Science & Government, and 45.11 Sociology) vs Geography and Geography-related CIP codes, 1986-2020

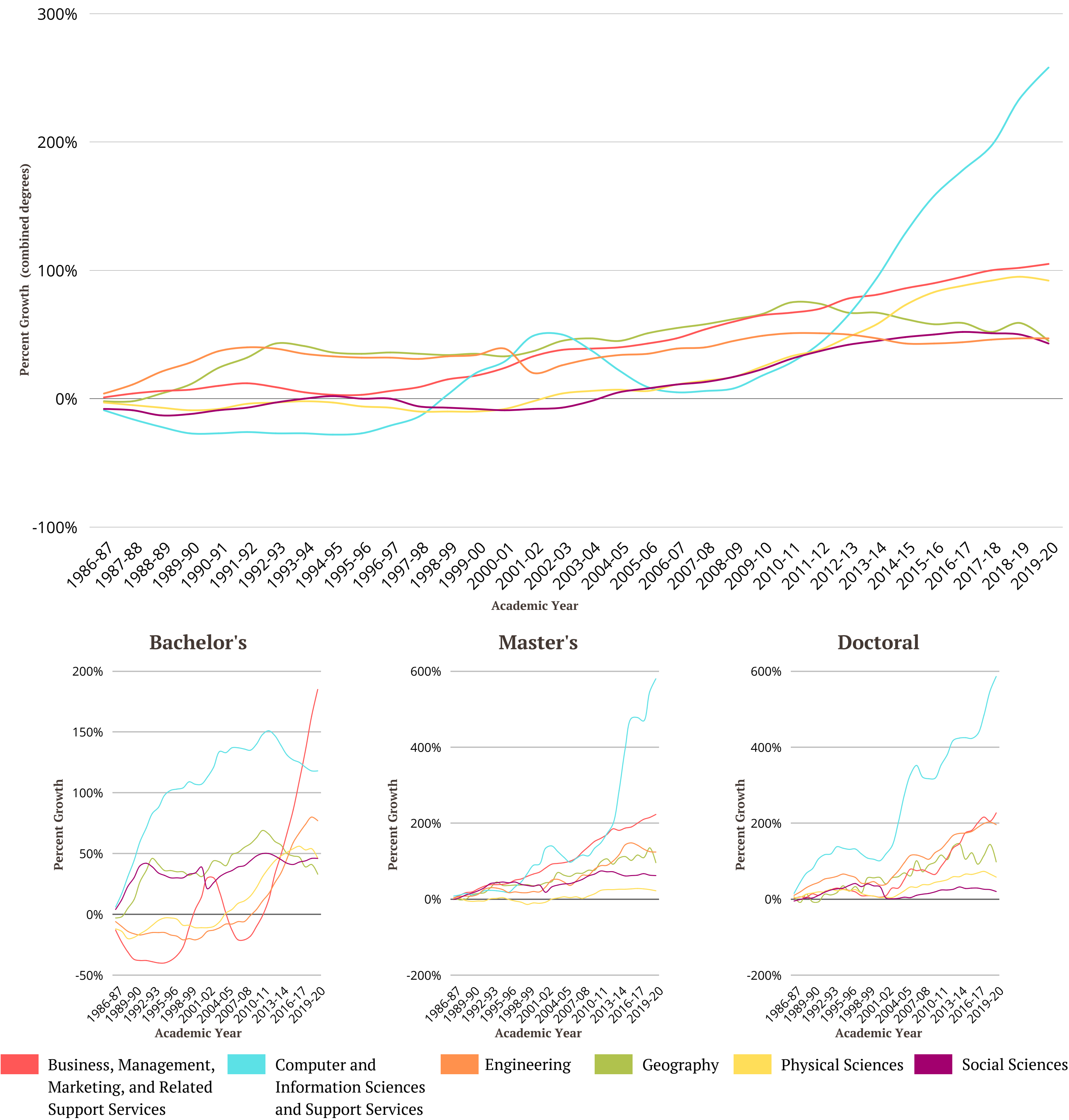
The State of Geography vs other physical sciences



 **Figure 4. How Does Geography Compare to Other Physical Sciences?**

Percent growth of degrees (combined and individual Bachelor's, Master's, PhD) conferred by Physical Science CIP codes (40.04 Atmospheric Sciences and Meteorology, 40.05 Chemistry, 40.06 Geological and Earth Sciences/Geosciences, 03 Natural Resources and Conservation, 40 Physics) vs Geography and Geography-related CIP codes, 1986-2020

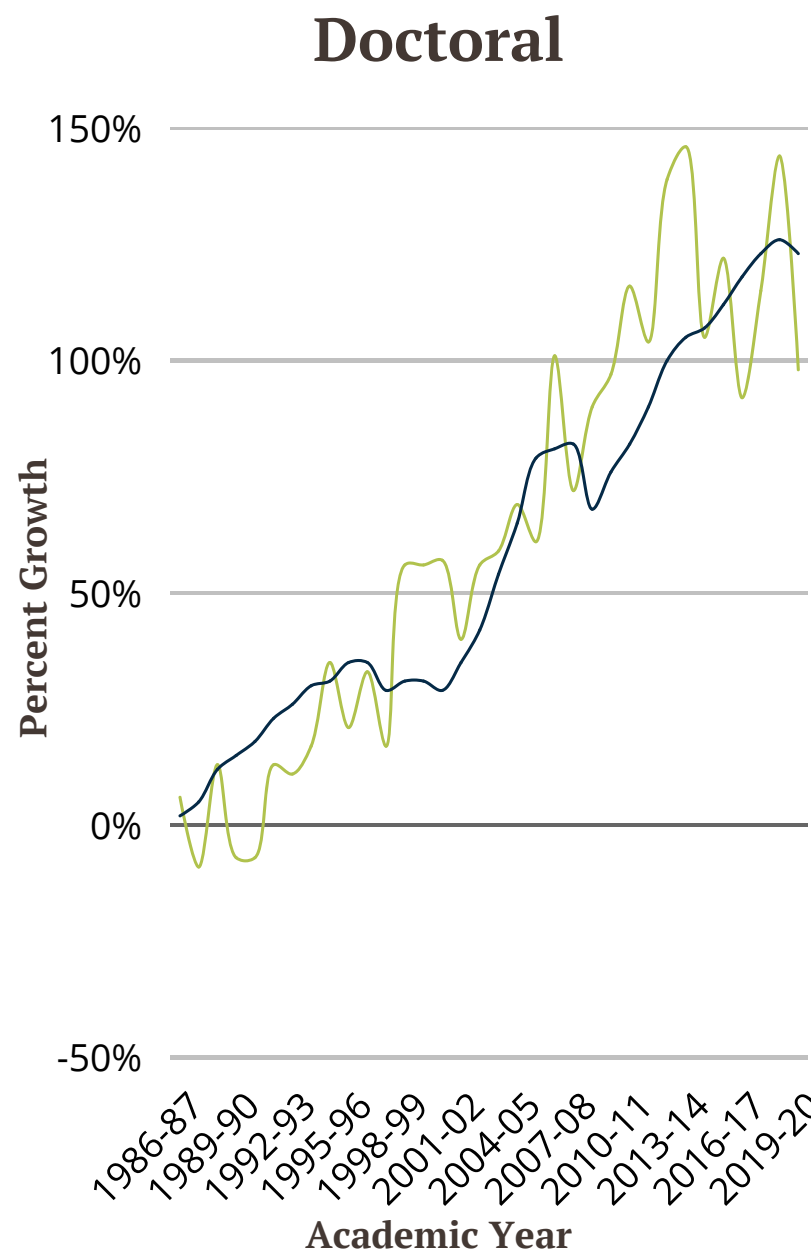
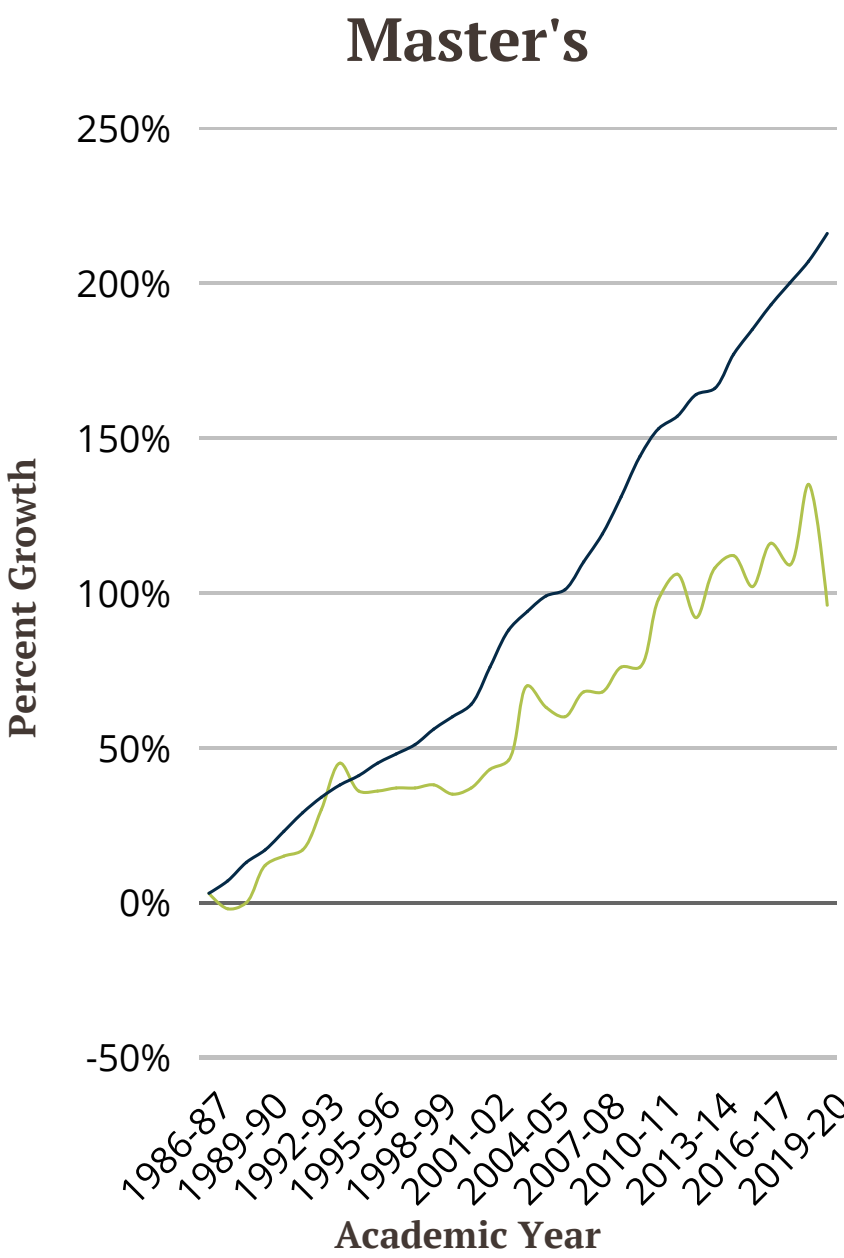
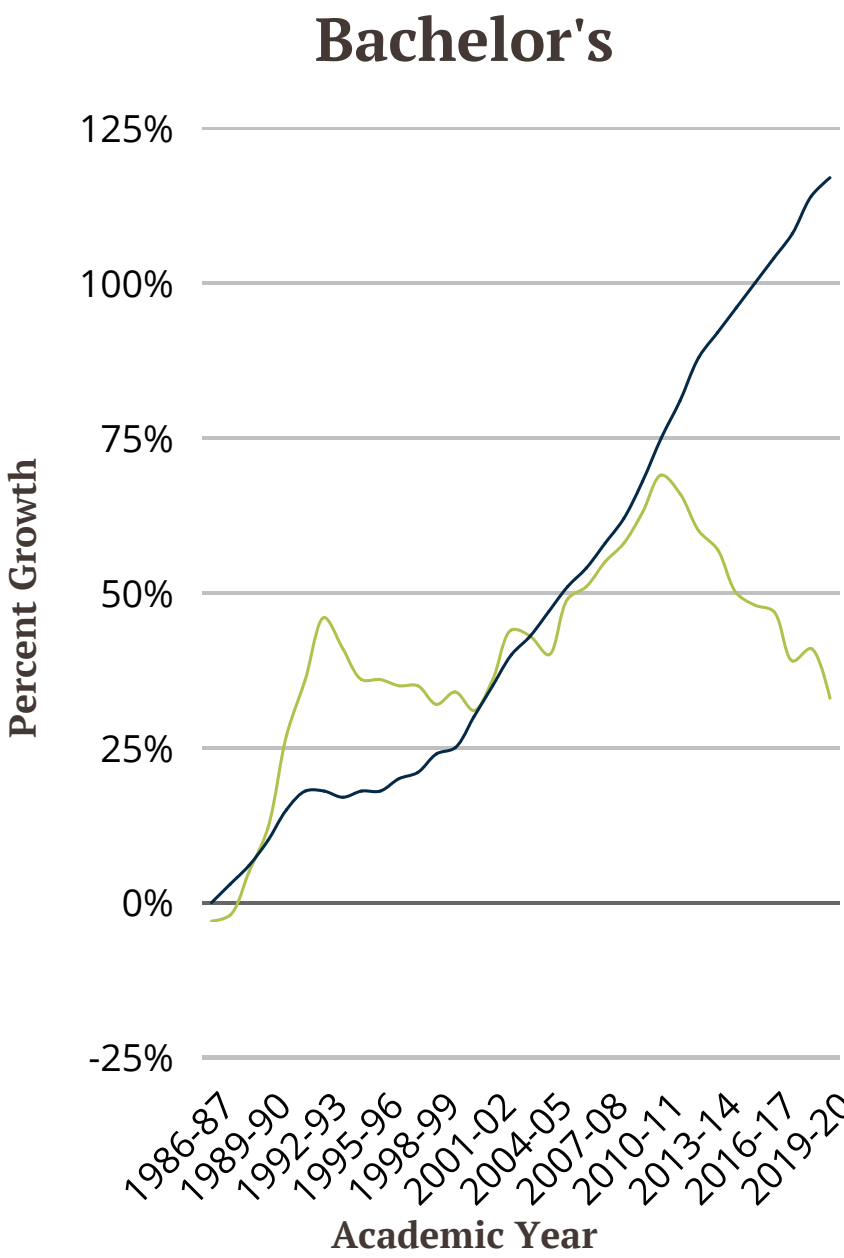
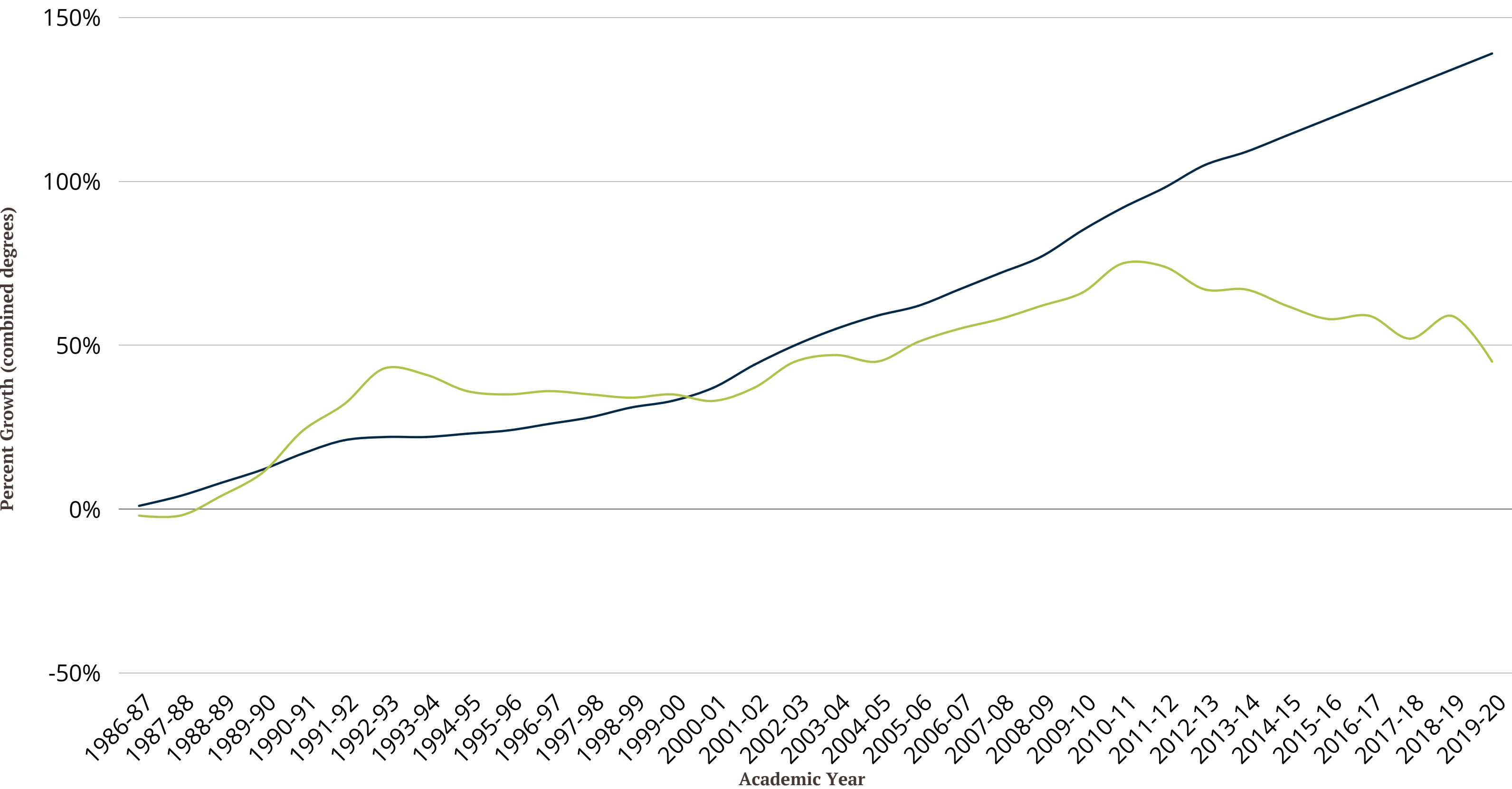
The State of Geography vs other fields of study



 **Figure 5. How Does Geography Compare to Other Fields of Study?**

Percent growth of degrees (combined and individual Bachelor's, Master's, PhD) conferred by CIP codes: 52 Business, Management, Marketing, and Related Support Services; 11 Computer and Information Sciences and Support Services; 14 Engineering; 40 Physical Sciences; and 45 Social Sciences vs Geography and Geography-related CIP codes, 1986-2020

The State of Geography vs higher education



Higher Education
• All CIP codes within the NCES database under "99-Grand Total"

Geography

 **Figure 6. How Does Geography Compare to Higher Education?**

Percent growth of degrees (combined and individual Bachelor's, Master's, PhD) conferred: 99 Higher Education vs Geography and Geography-related CIP codes, 1986-2020

The State of Geography and gender pt. I

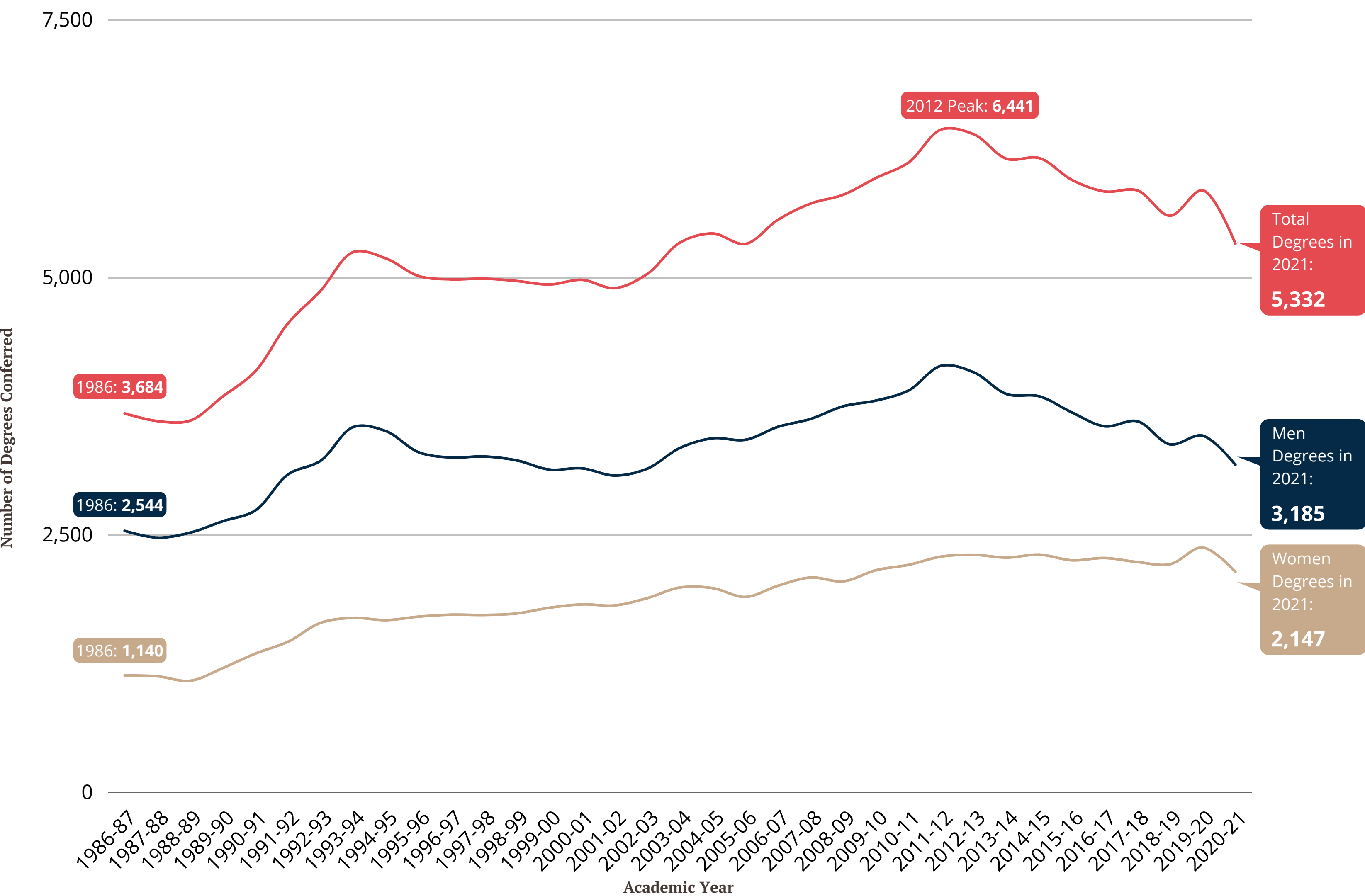


Figure 7. Total Geography Degrees Conferred by Gender*

Number of degrees (combined Bachelor's, Master's, PhD) conferred by Geography and Geography-related CIP codes, 1986-2021

- Total
- Men
- Women

*Per the definition of gender by NCES, all gender-related data in this figure, and all the following figures in this report, is limited to the binary of "male" and "female"

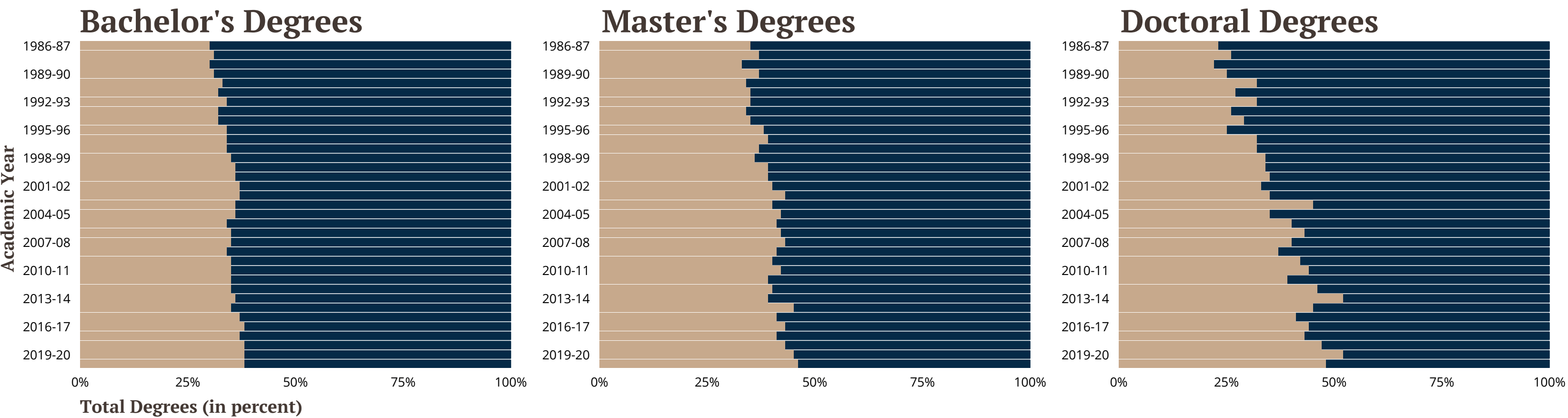


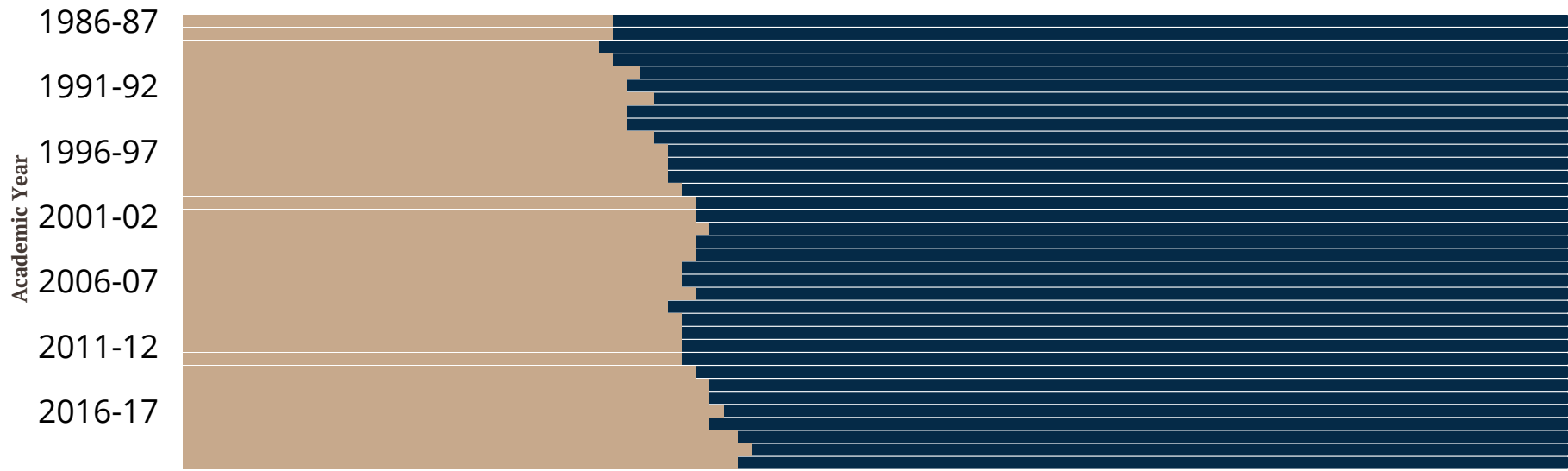
Figure 8. Percentage of Geography Degrees Conferred by Gender

Percentage of total degrees conferred by Geography and Geography-related CIP code by gender and degree type, 1986-2021

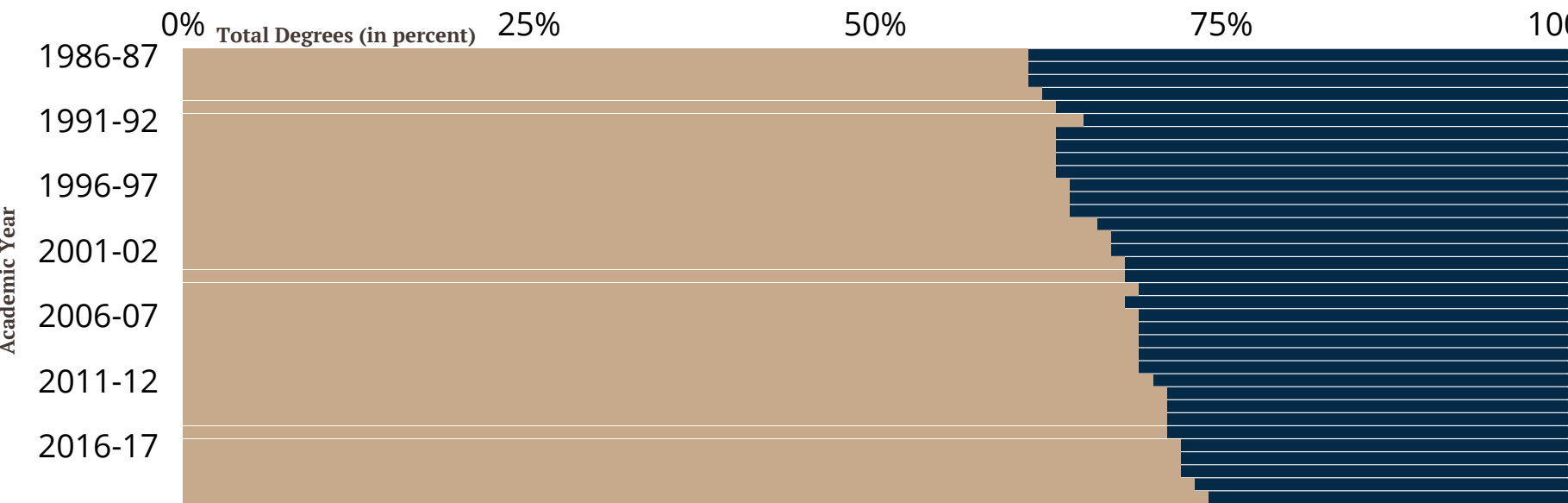
- Men
- Women

The State of Geography and gender pt. II

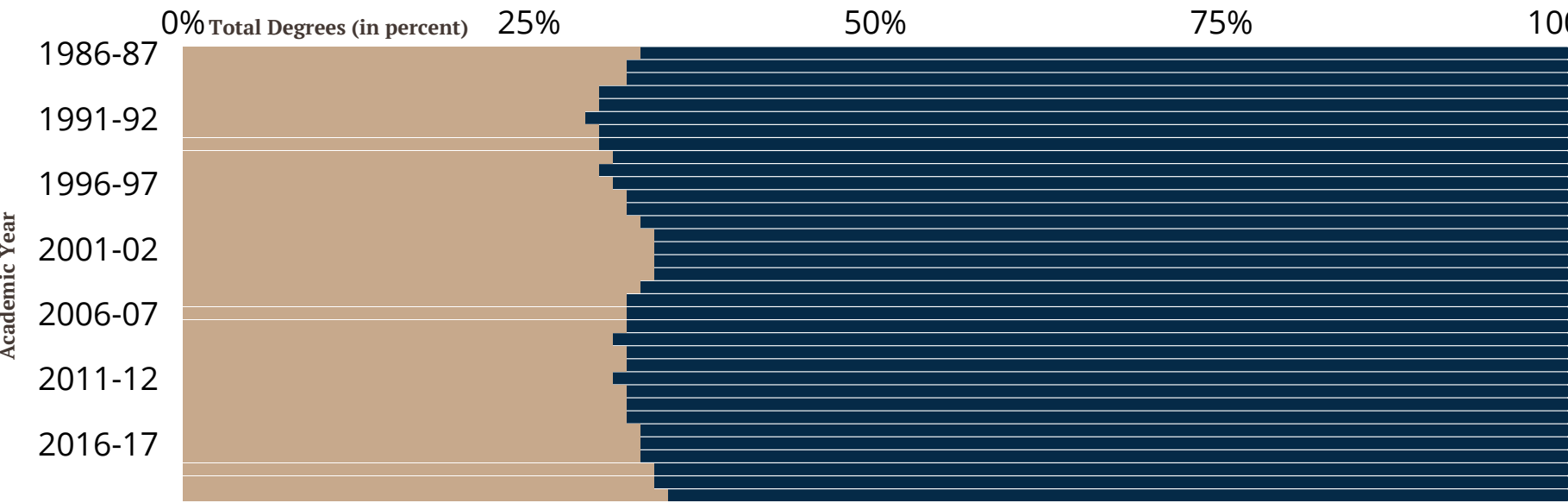
Geography



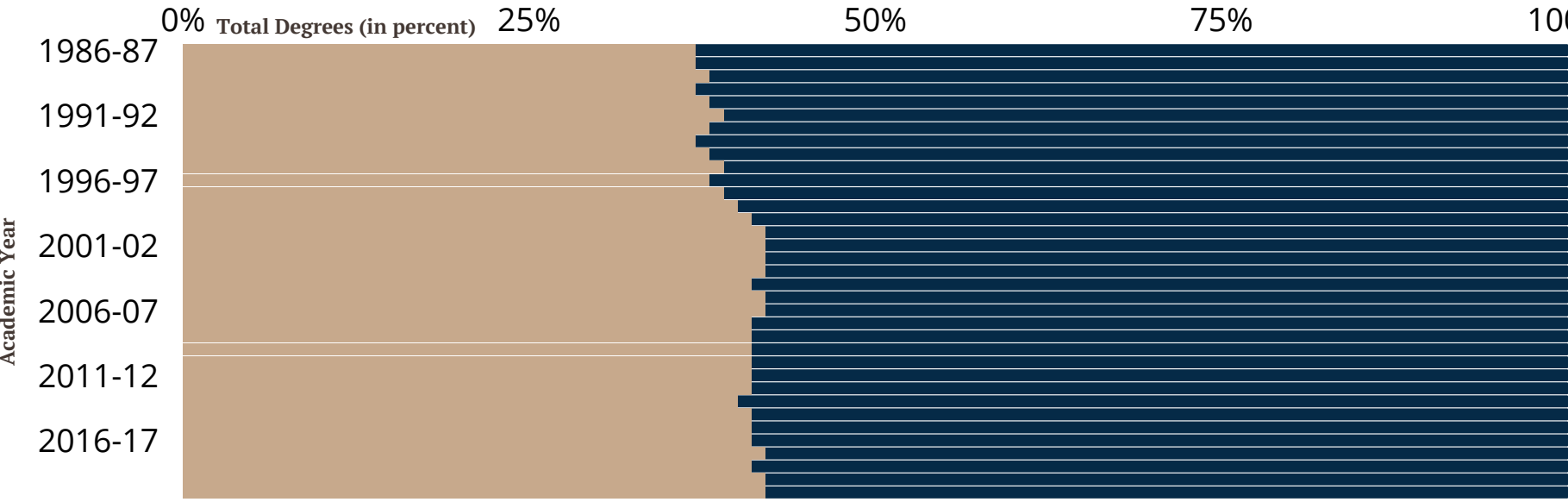
Anthropology



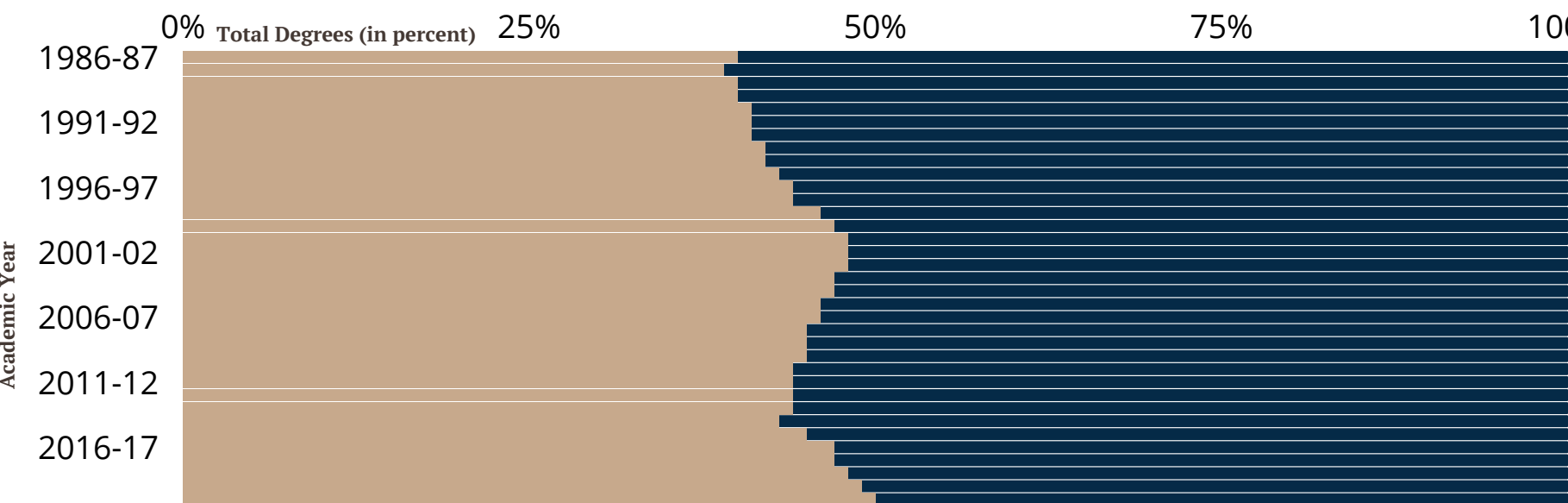
Economics



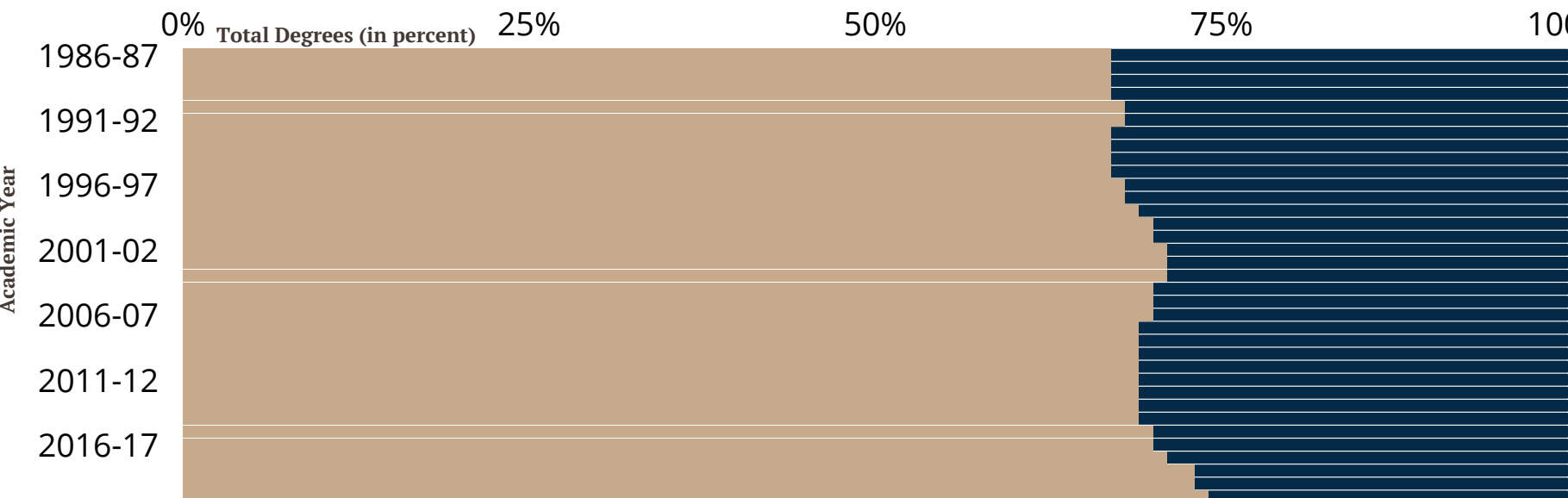
History



Political Science and Government



Sociology



Men Women



Figure 9. How Does Geography Compare to Other Social Sciences in Regard to Gender?
Percentage of total degrees (combined Bachelor's, Master's, PhD) conferred by gender and Social Science CIP codes (45.02 Anthropology, 45.06 Economics, 54.01 History, 45.10 Political Science & Government, and 45.11 Sociology) vs Geography and Geography-related CIP codes, 1986-2021

The State of Geography and gender pt. III

Geography

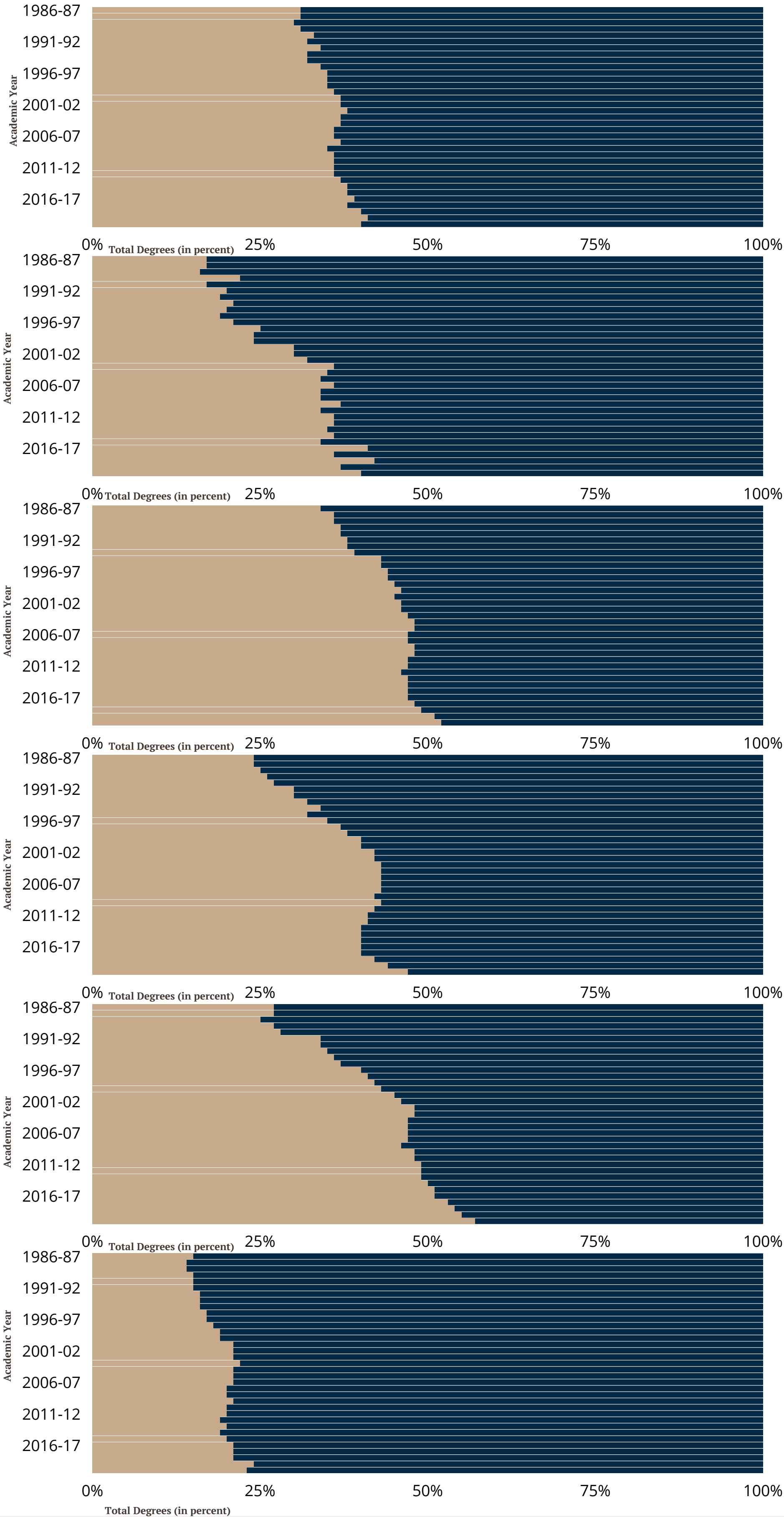
Atmospheric Sciences and Meteorology

Chemistry

Geological and Earth Sciences/Geosciences

Natural Resources and Conservation

Physics



Men Women



Figure 10. How Does Geography Compare to Other Physical Sciences in Regard to Gender?
Percentage of total degrees (combined Bachelor's, Master's, PhD) conferred by gender and Physical Science CIP codes (40.04 Atmospheric Sciences and Meteorology, 40.05 Chemistry, 40.06 Geological and Earth Sciences/Geosciences, 03 Natural Resources and Conservation, 40 Physics) vs Geography and Geography-related CIP codes, 1986-2021

The State of Geography and gender pt. IV

Geography

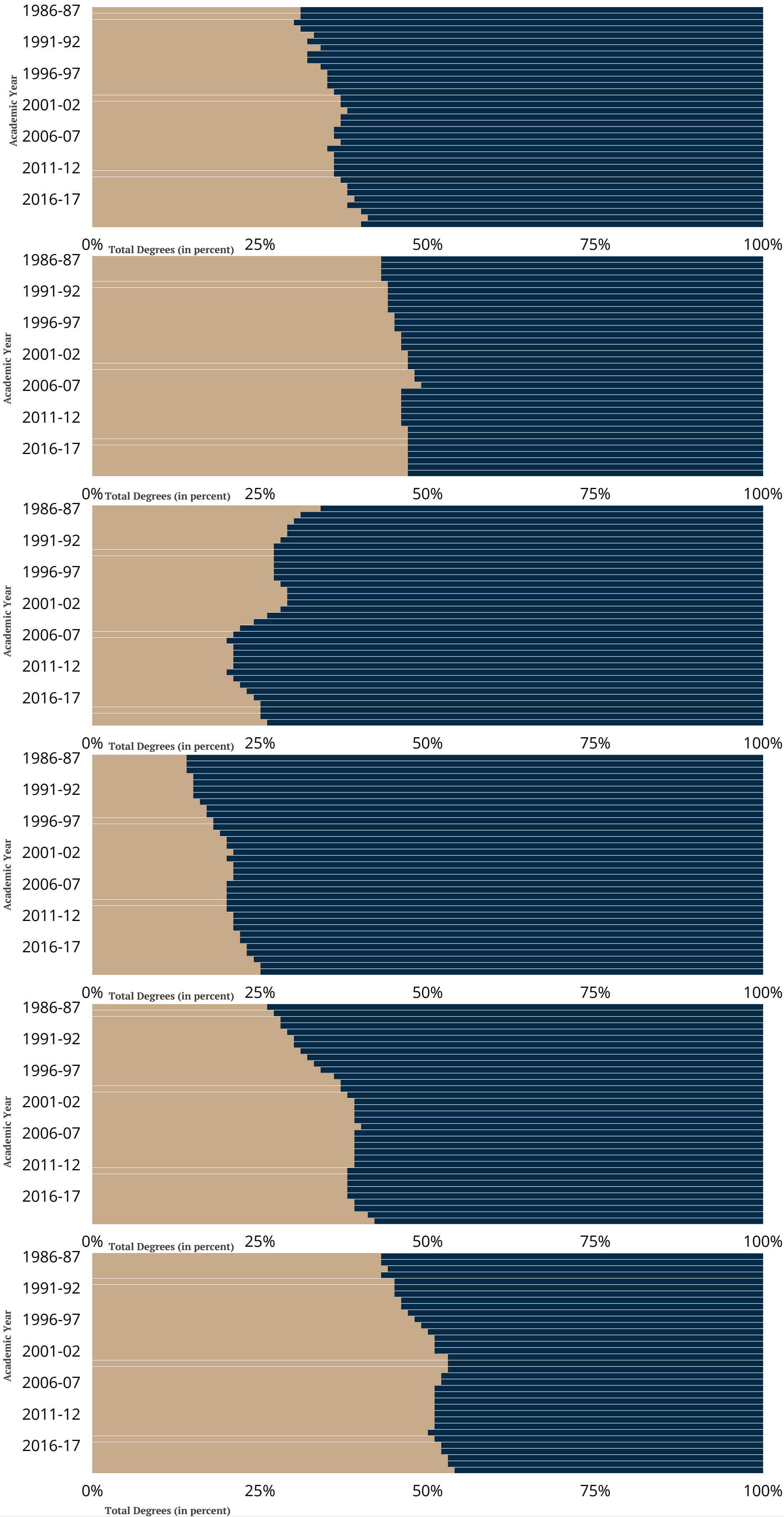
Business, Management, Marketing, and Related Support Services

Computer and Information Sciences and Support Services

Engineering

Physical Sciences

Social Sciences



Men Women



Figure 11. How Does Geography Compare to Other Fields of Study in Regard to Gender?
Percentage of total degrees (combined Bachelor's, Master's, PhD) conferred by gender and by CIP codes: 52 Business, Management, Marketing, and Related Support Services; 11 Computer and Information Sciences and Support Services; 14 Engineering; 40 Physical Sciences; and 45 Social Sciences vs Geography and Geography-related CIP codes, 1986-2021

The State of Geography and gender pt. V

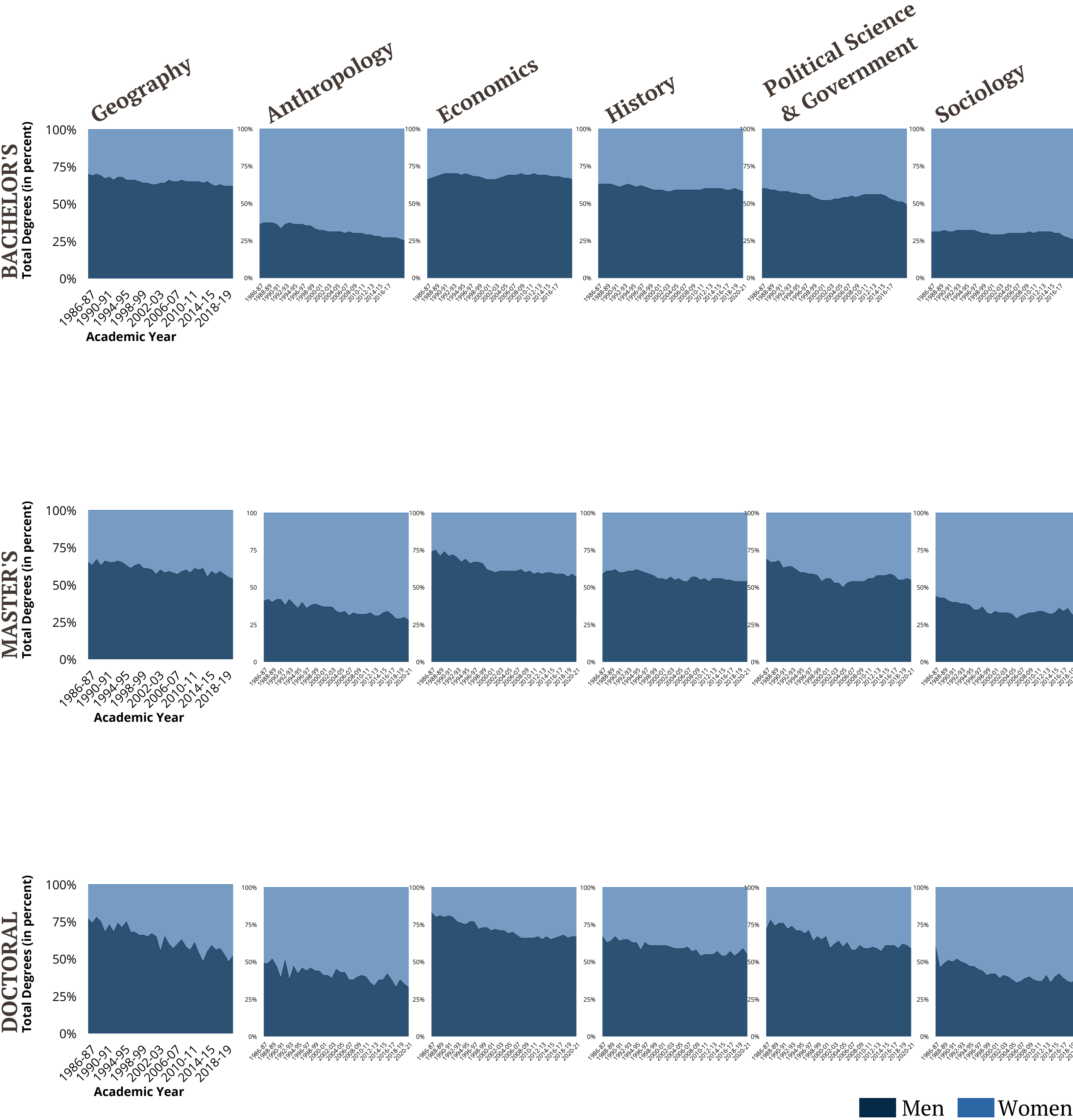


Figure 12. How Does Geography Compare to Other Social Sciences in Regard to Gender?
Percentage of total degrees conferred by gender and degree type: Social Science CIP codes (45.02 Anthropology, 45.06 Economics, 54.01 History, 45.10 Political Science & Government, and 45.11 Sociology) vs Geography and Geography-related CIP codes, 1986-2021

The State of Geography and gender pt. VI

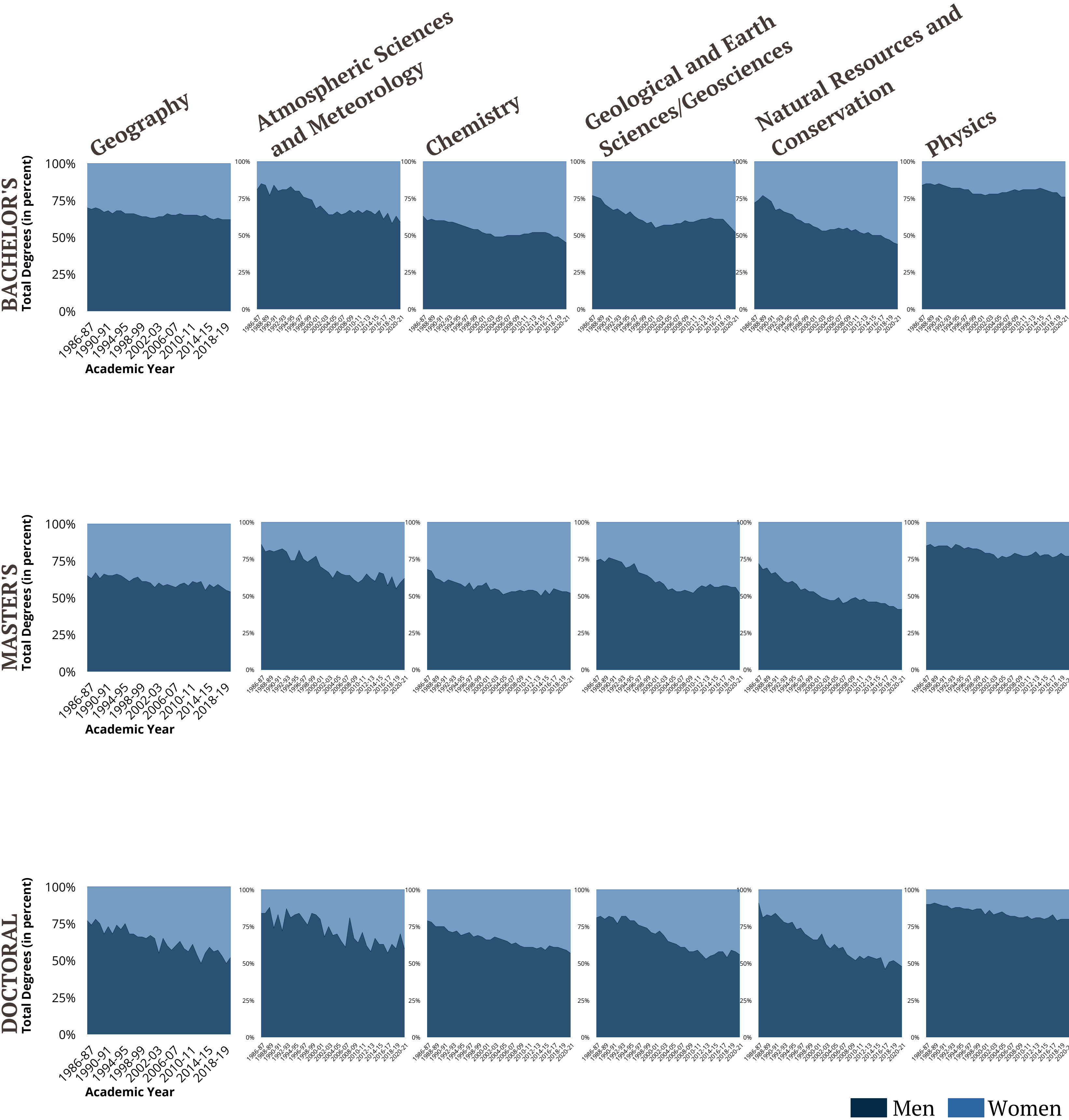


Figure 13. How Does Geography Compare to Other Physical Sciences in Regard to Gender? Percentage of total degrees conferred by gender and degree type: Physical Science CIP codes (40.04 Atmospheric Sciences and Meteorology, 40.05 Chemistry, 40.06 Geological and Earth Sciences/Geosciences, 03 Natural Resources and Conservation, 40 Physics) vs Geography and Geography-related CIP codes, 1986-2021

The State of Geography and gender pt. VII

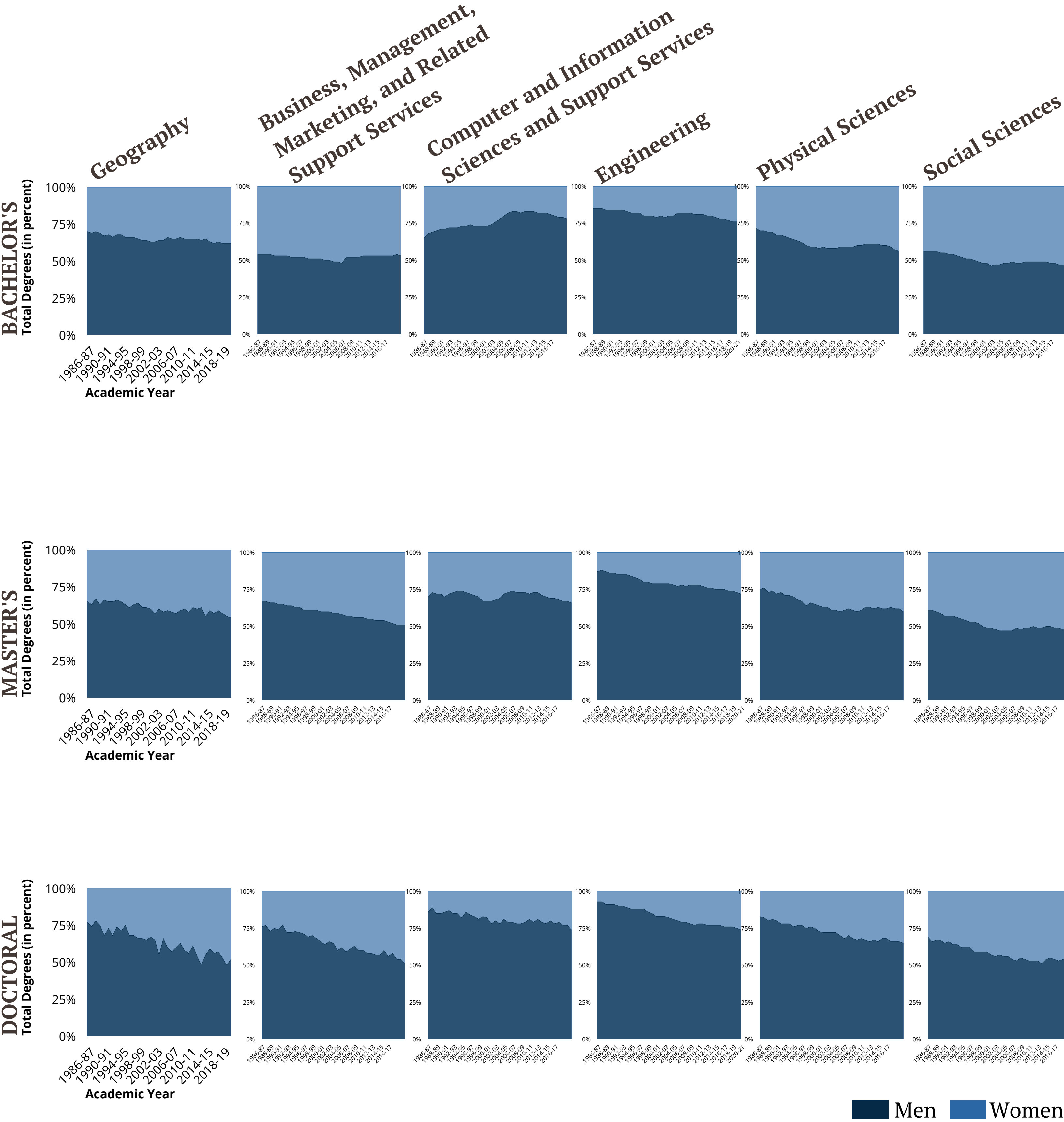


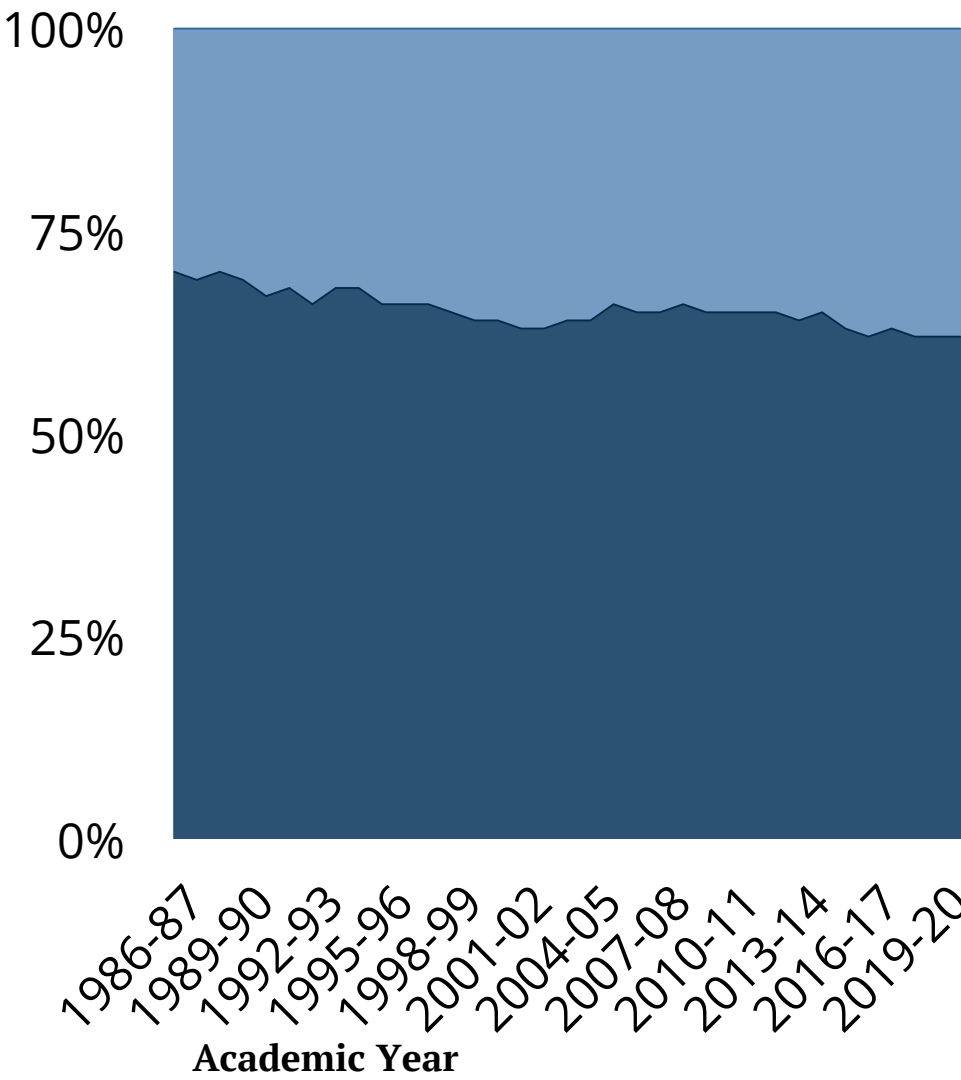
Figure 14. How Does Geography Compare to Other Fields of Study in Regard to Gender?

Percentage of total degrees conferred by gender and degree type: other fields of study (52 Business, Management, Marketing, and Related Support Services; 11 Computer and Information Sciences and Support Services; 14 Engineering; 40 Physical Sciences; and 45 Social Sciences) vs Geography and Geography-related CIP codes, 1986-2021

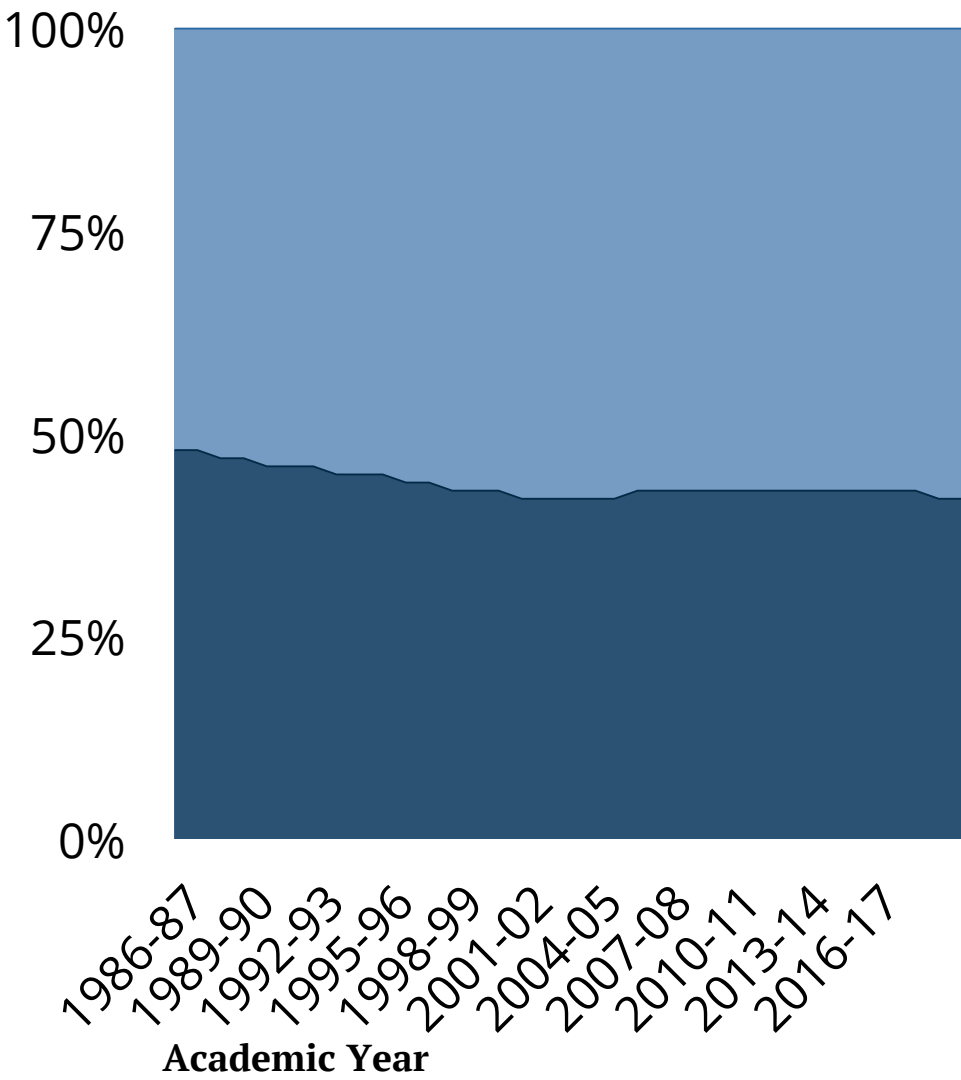
The State of Geography and gender pt. VIII

BACHELOR'S
Total Degrees (in percent)

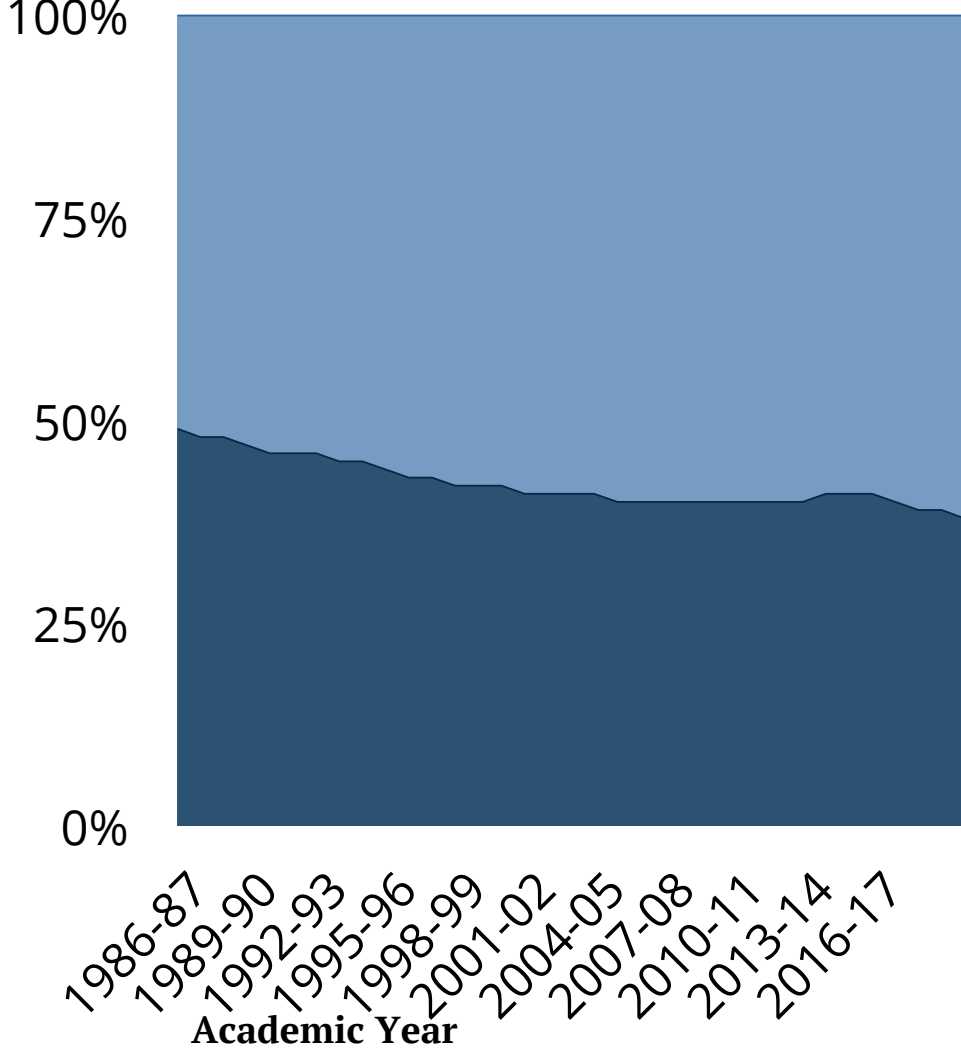
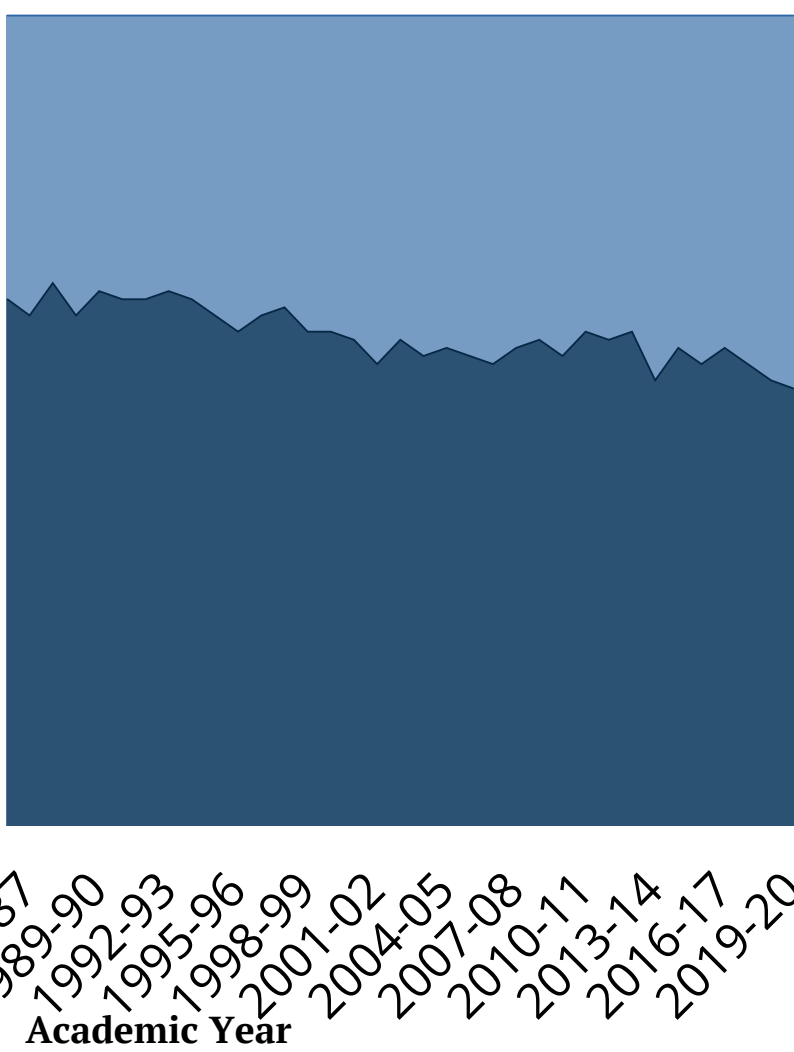
Geography



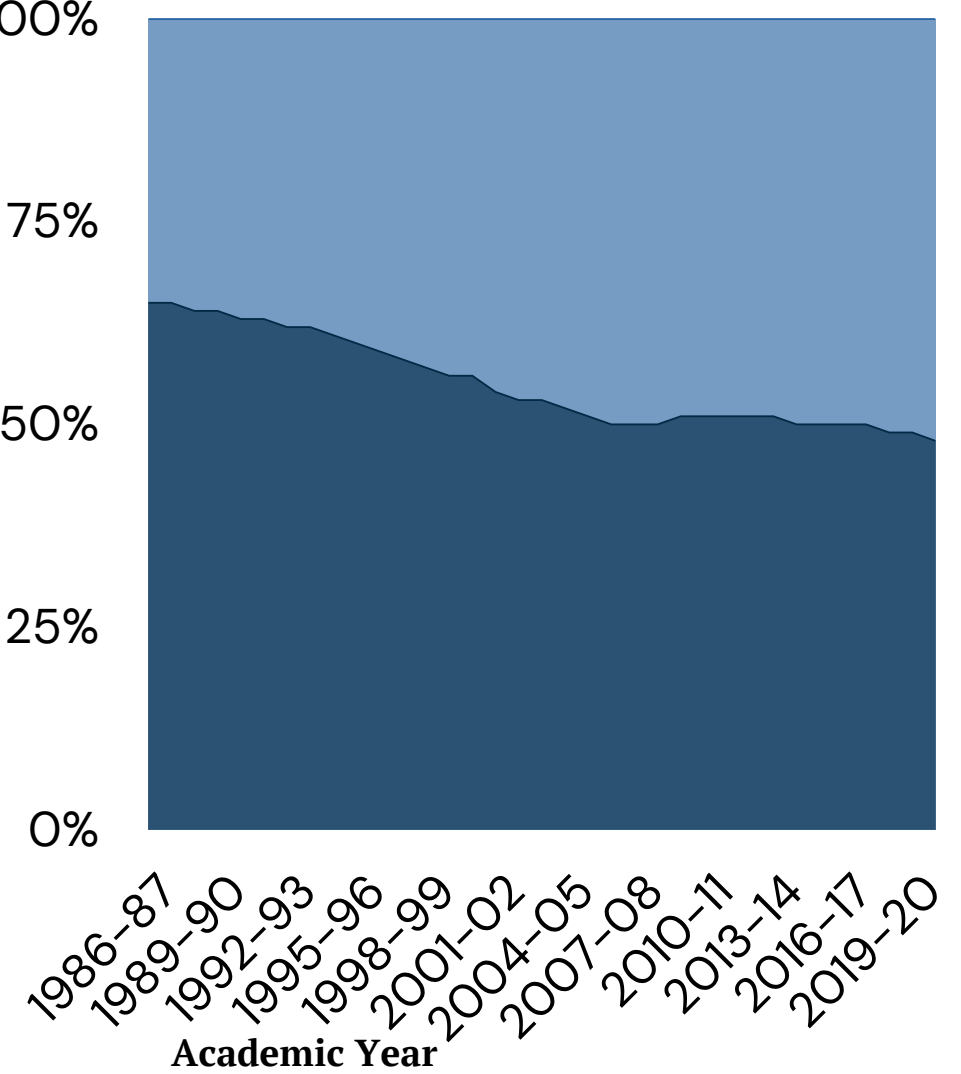
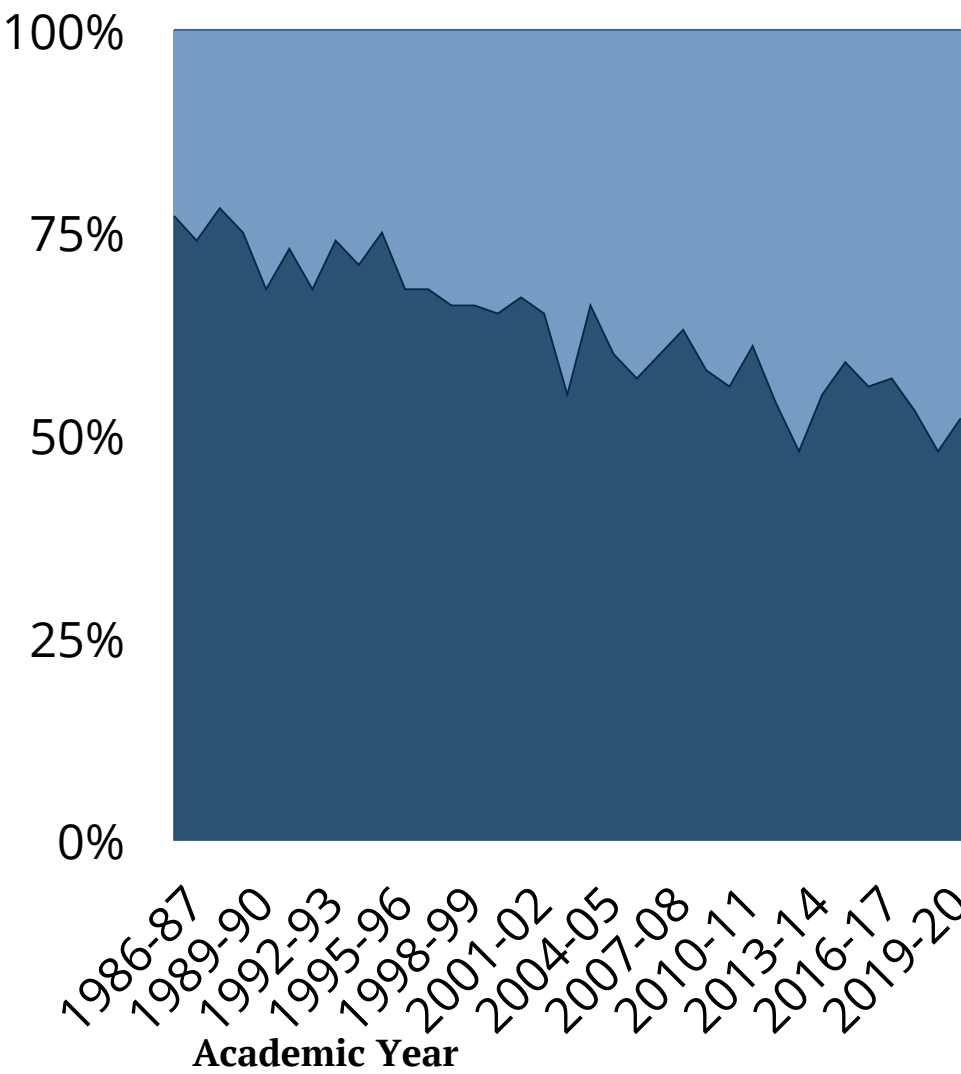
Higher Education



MASTER'S
Total Degrees (in percent)



DOCTORAL
Total Degrees (in percent)

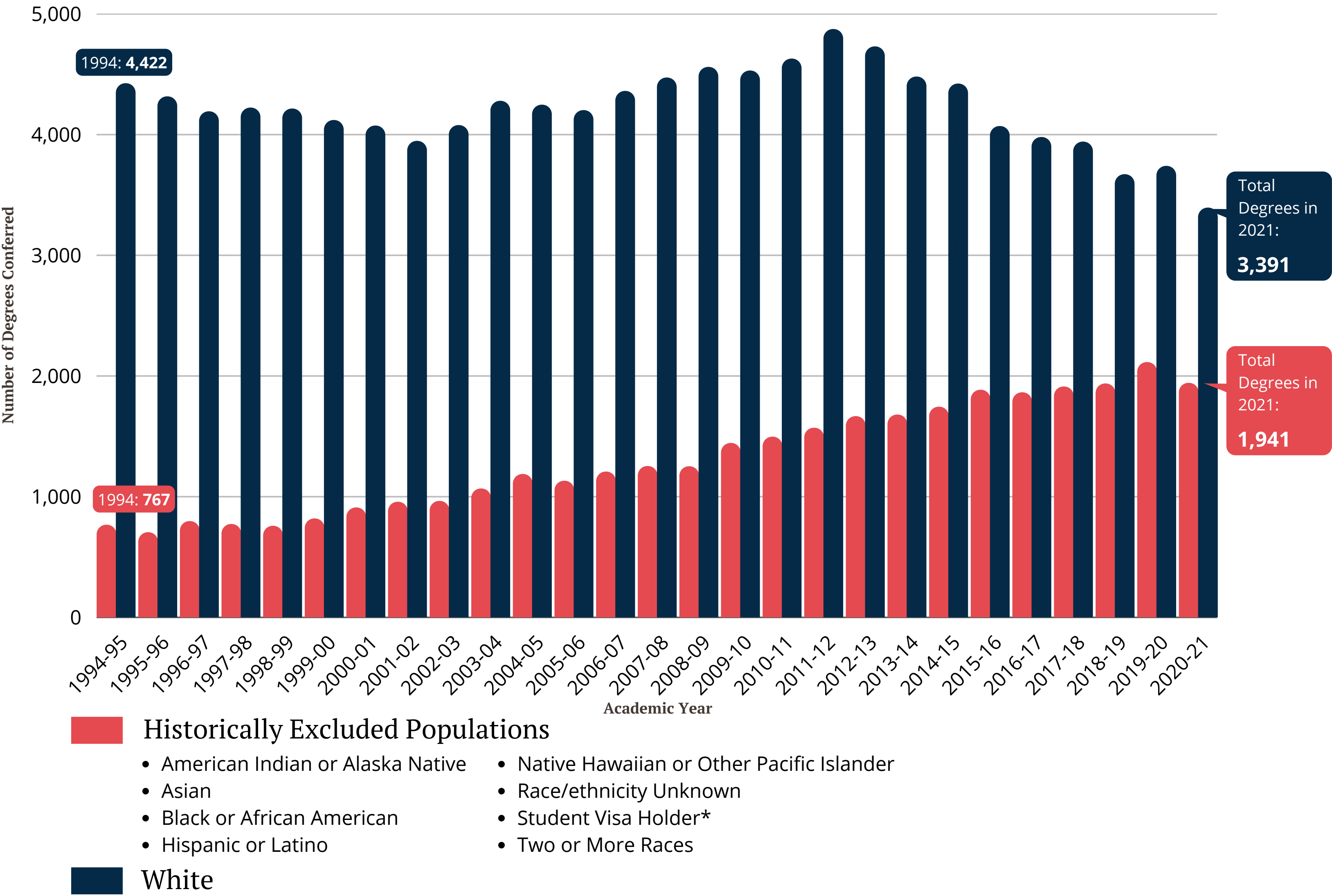


Men Women



Figure 15. How Does Geography Compare to Other Fields of Study in Regard to Gender?
Percentage of total degrees conferred by gender and degree type by CIP Code: 99 Higher Education vs Geography and Geography-related CIP codes, 1986-2021

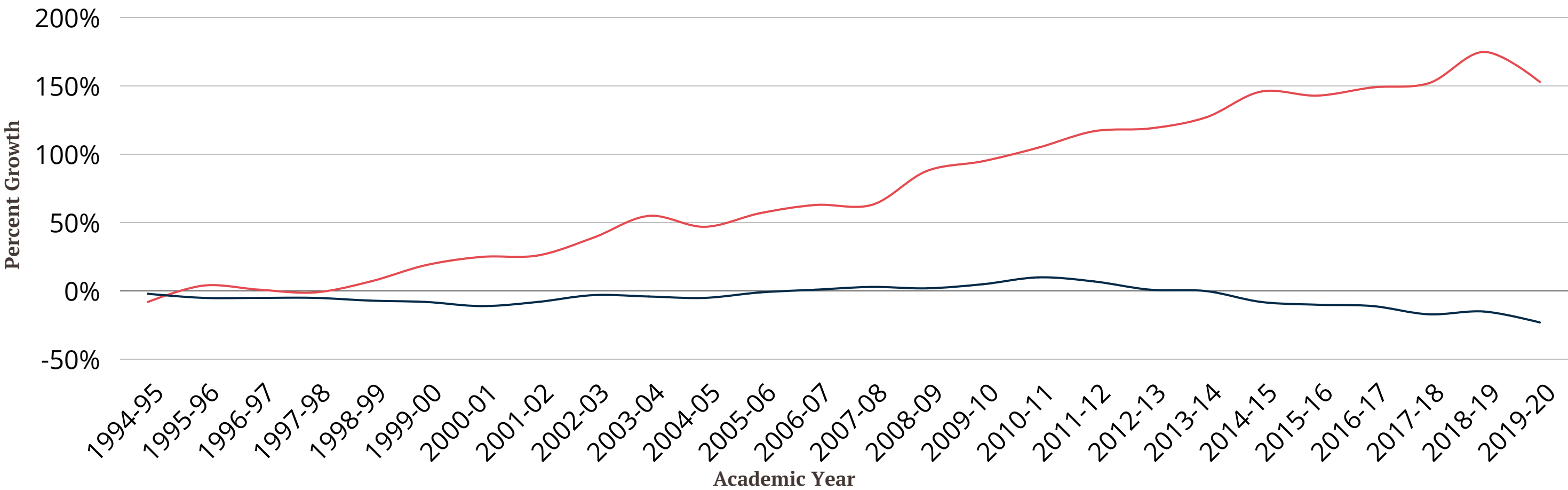
The State of Geography and diversity pt. I



 **Figure 16. Total Geography Degrees Conferred by Race and Ethnicity****

Number of degrees (combined Bachelor's, Master's, PhD) conferred by race and ethnicity and by Geography and Geography-related CIP codes, 1994-2021

*Student Visa Holder refers to the NCES race and ethnicity category: Nonresident Alien
**All race and ethnicity categories and their related data are reflective of the definitions provided by NCES and are the ones used in this figure and the following figures in this report. Full definitions can be found at <https://nces.ed.gov/ipeds/datacenter/Data.aspx>



 **Figure 17. Percent Growth of Geography Degrees Conferred by Race and Ethnicity**

Percent growth of degrees (combined Bachelor's, Master's, PhD) conferred by race/ethnicity and by Geography and Geography-related CIP codes, 1994-2020

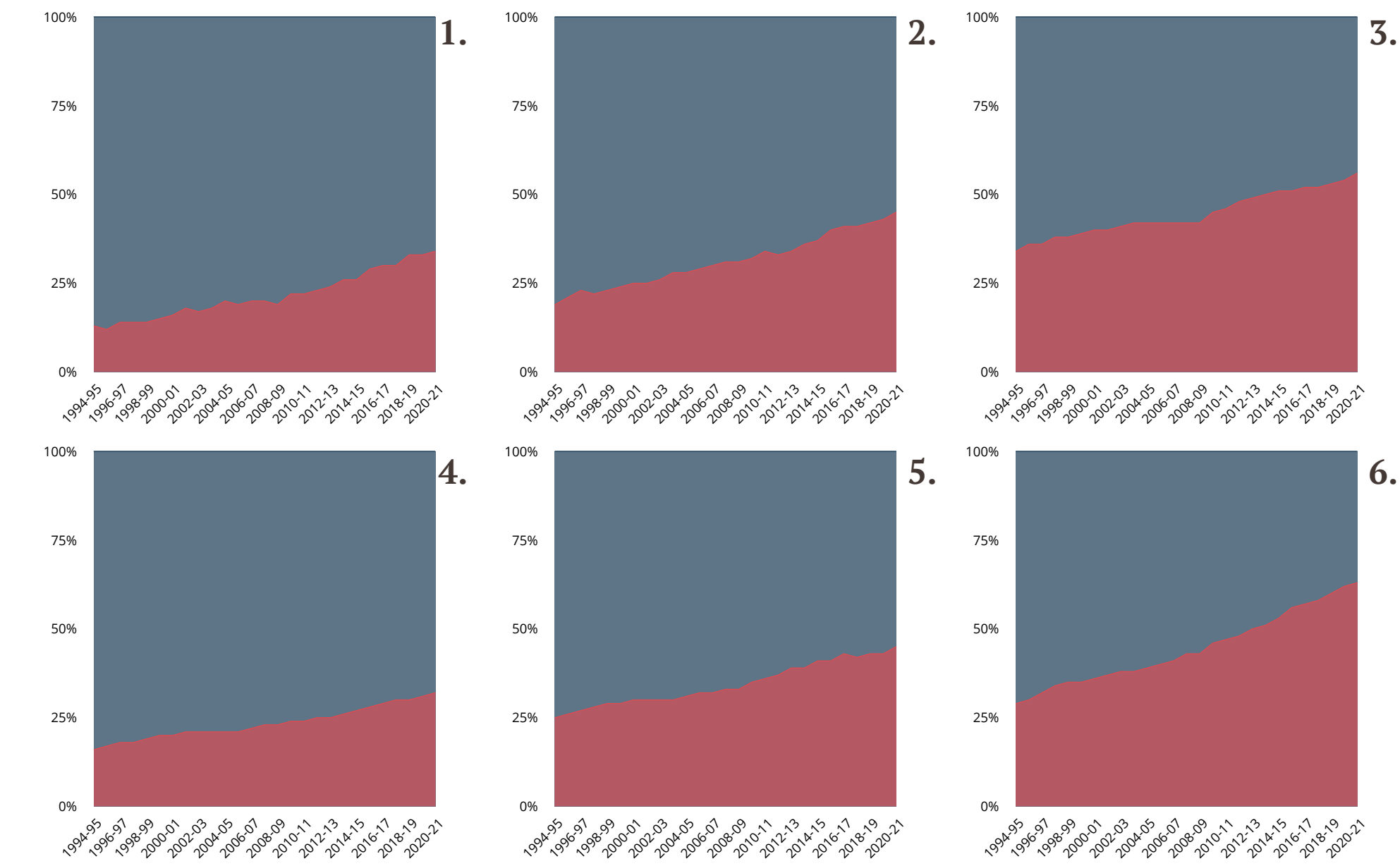
Historically Excluded Populations

White

The State of Geography and diversity pt. II

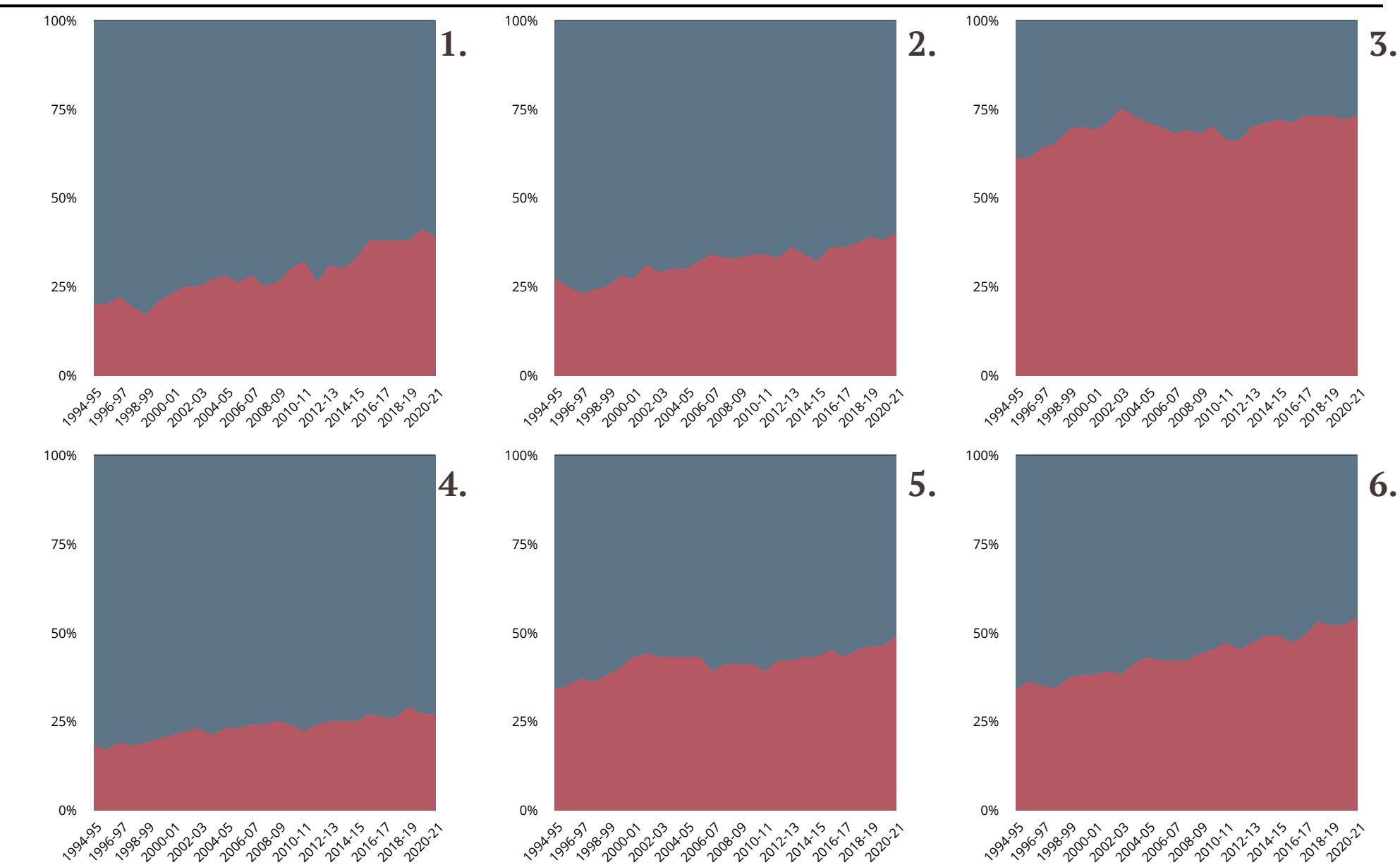
BACHELOR'S

- 1. Geography
- 2. Anthropology
- 3. Economics
- 4. History
- 5. Political Science & Government
- 6. Sociology



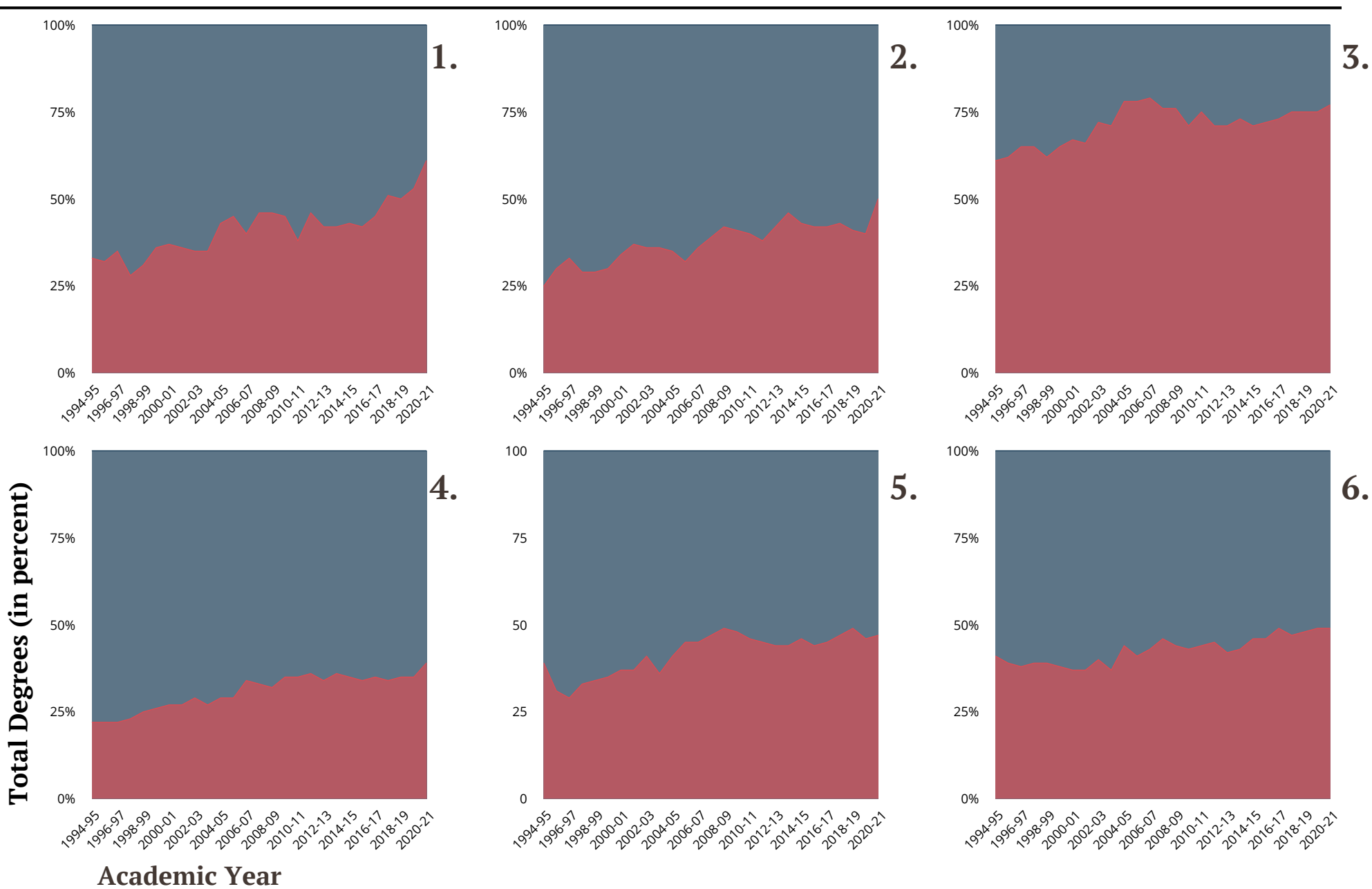
MASTER'S

- 1. Geography
- 2. Anthropology
- 3. Economics
- 4. History
- 5. Political Science & Government
- 6. Sociology



DOCTORAL

- 1. Geography
- 2. Anthropology
- 3. Economics
- 4. History
- 5. Political Science & Government
- 6. Sociology



Historically Excluded Populations

White

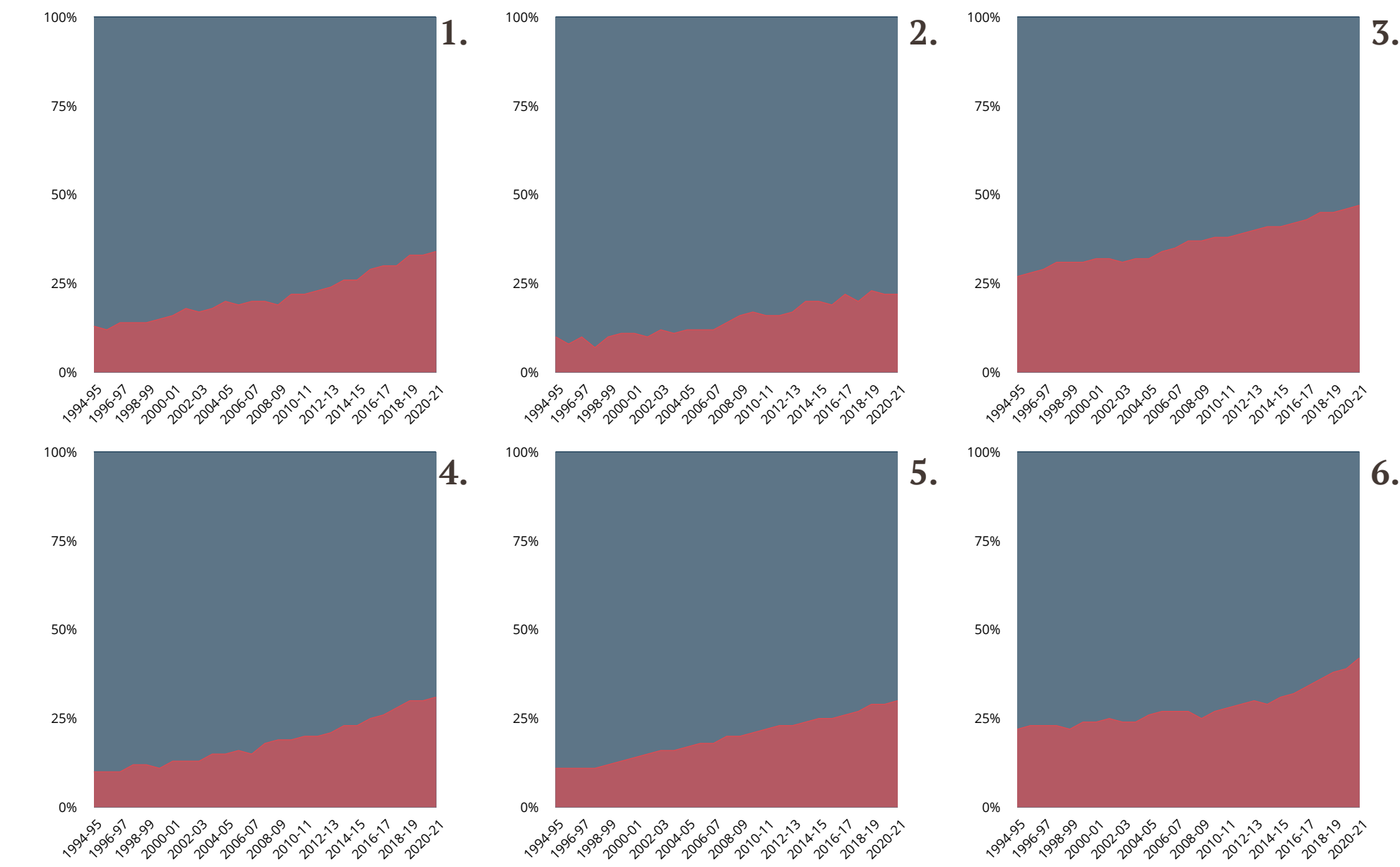


Figure 18. How Does Geography Compare to Other Social Sciences in Race and Ethnicity?
Percentage of total degrees, by degree type, conferred by race and ethnicity and CIP code: Social Science CIP codes vs Geography and Geography-related CIP codes, 1994-2021

The State of Geography and diversity pt. III

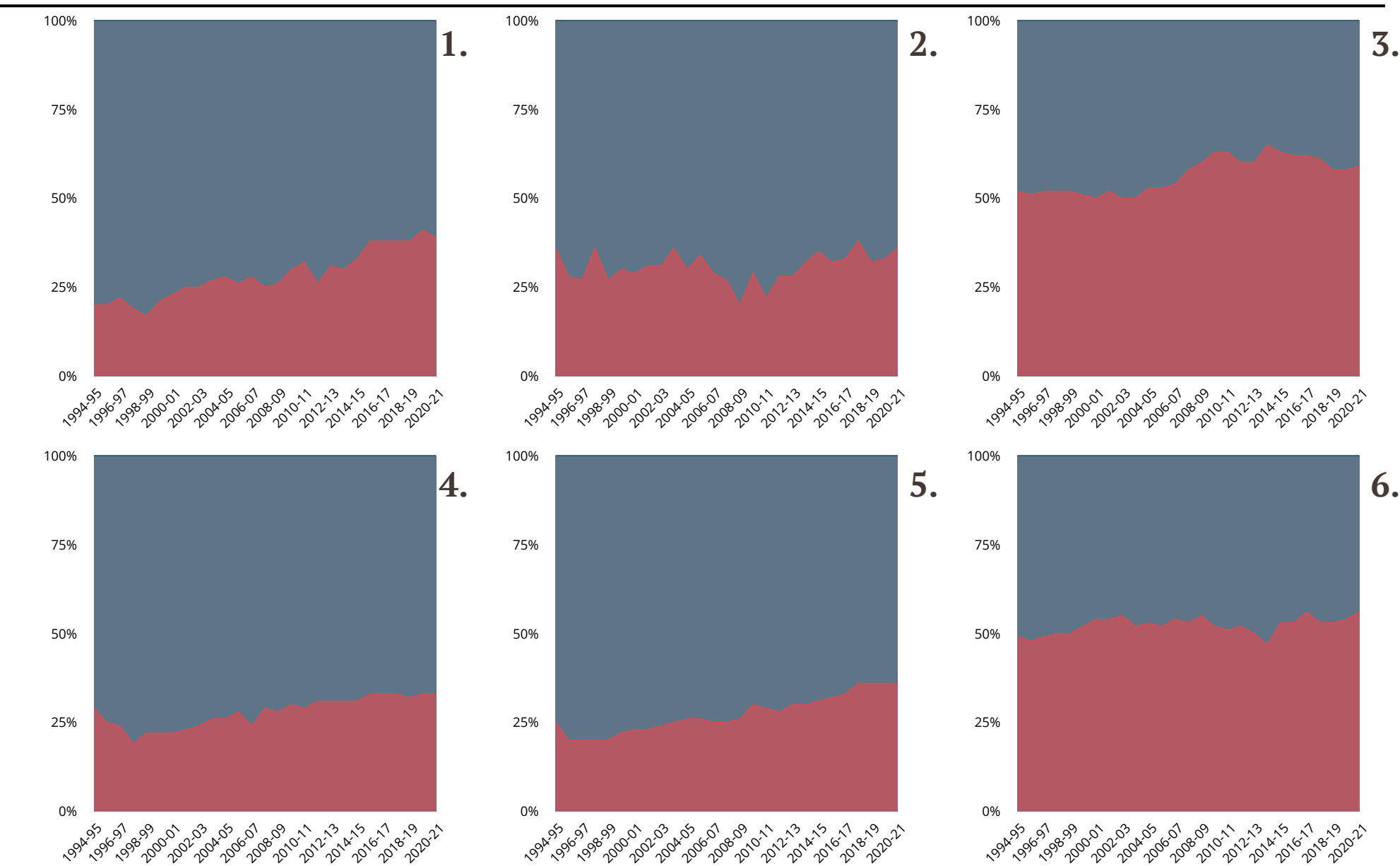
BACHELOR'S

- 1. Geography
- 2. Atmospheric Sciences and Meteorology
- 3. Chemistry
- 4. Geological and Earth Sciences/Geosciences
- 5. Natural Resources and Conservation
- 6. Physics



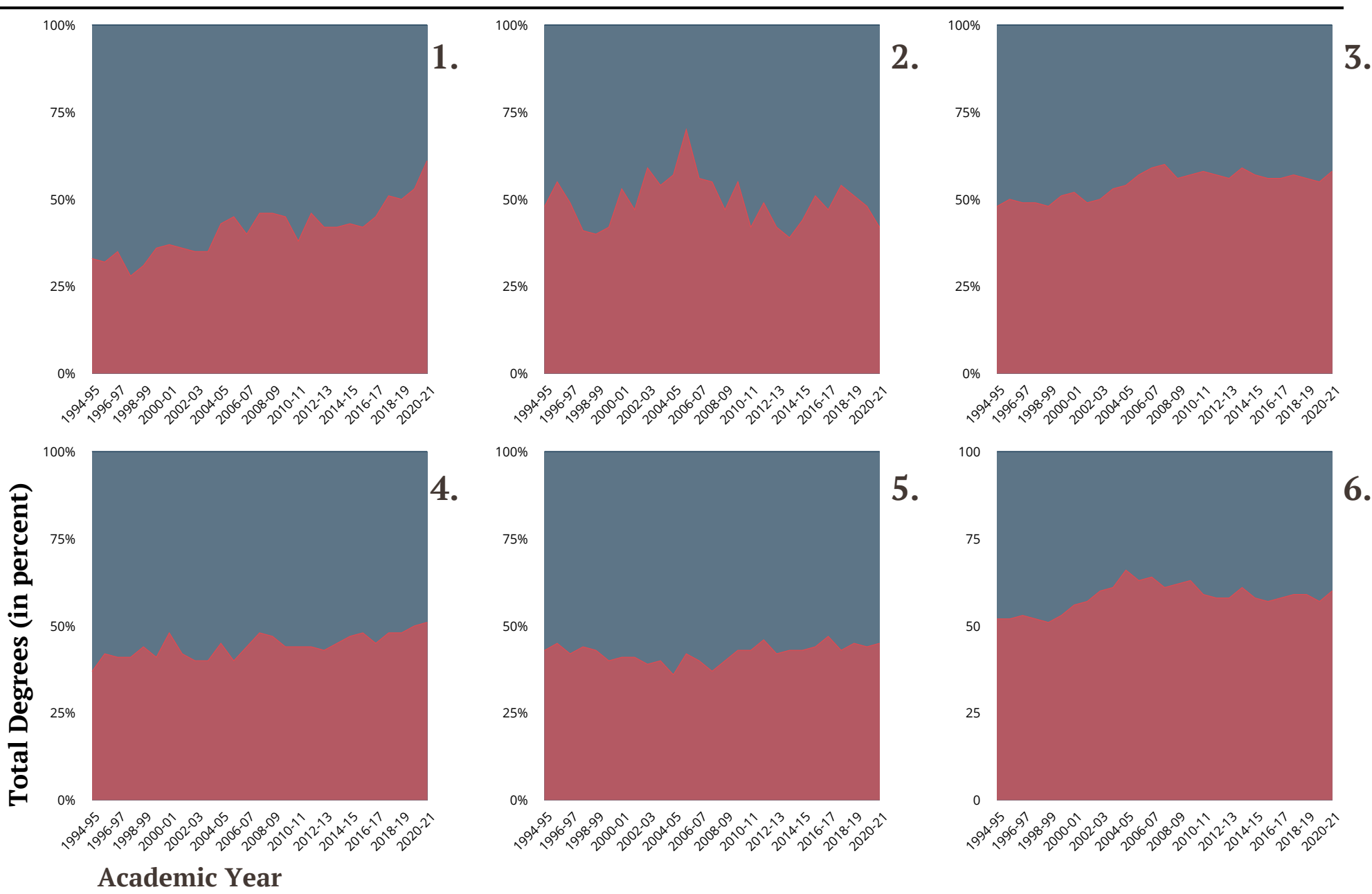
MASTER'S

- 1. Geography
- 2. Atmospheric Sciences and Meteorology
- 3. Chemistry
- 4. Geological and Earth Sciences/Geosciences
- 5. Natural Resources and Conservation
- 6. Physics



DOCTORAL

- 1. Geography
- 2. Atmospheric Sciences and Meteorology
- 3. Chemistry
- 4. Geological and Earth Sciences/Geosciences
- 5. Natural Resources and Conservation
- 6. Physics



Historically Excluded Populations

White



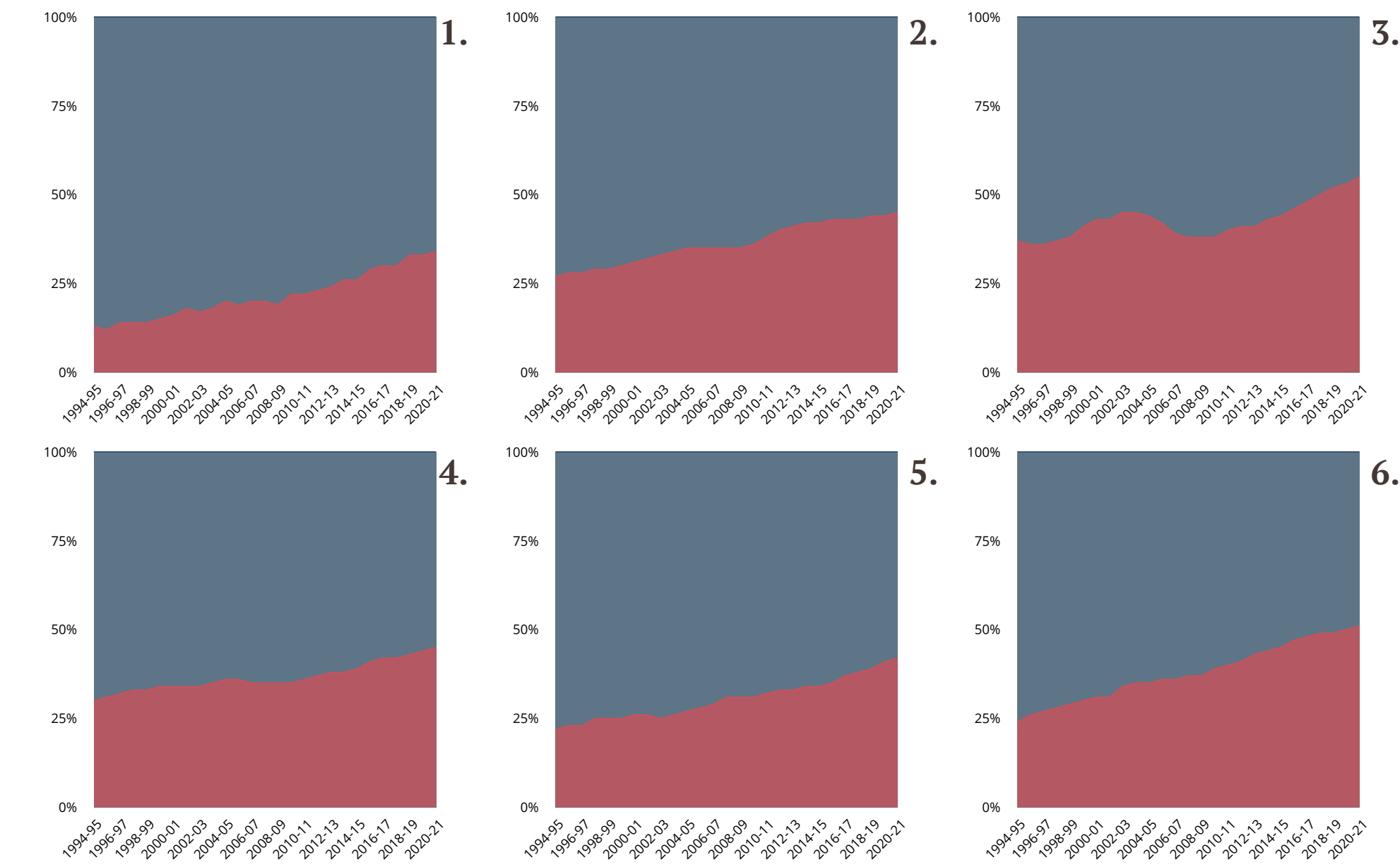
Figure 19. How Does Geography Compare to Other Physical Sciences in Race and Ethnicity?

Percentage of total degrees, by degree type, conferred by race and ethnicity and CIP code: Physical Science CIP codes vs Geography and Geography-related CIP codes, 1994-2021

The State of Geography and diversity pt. IV

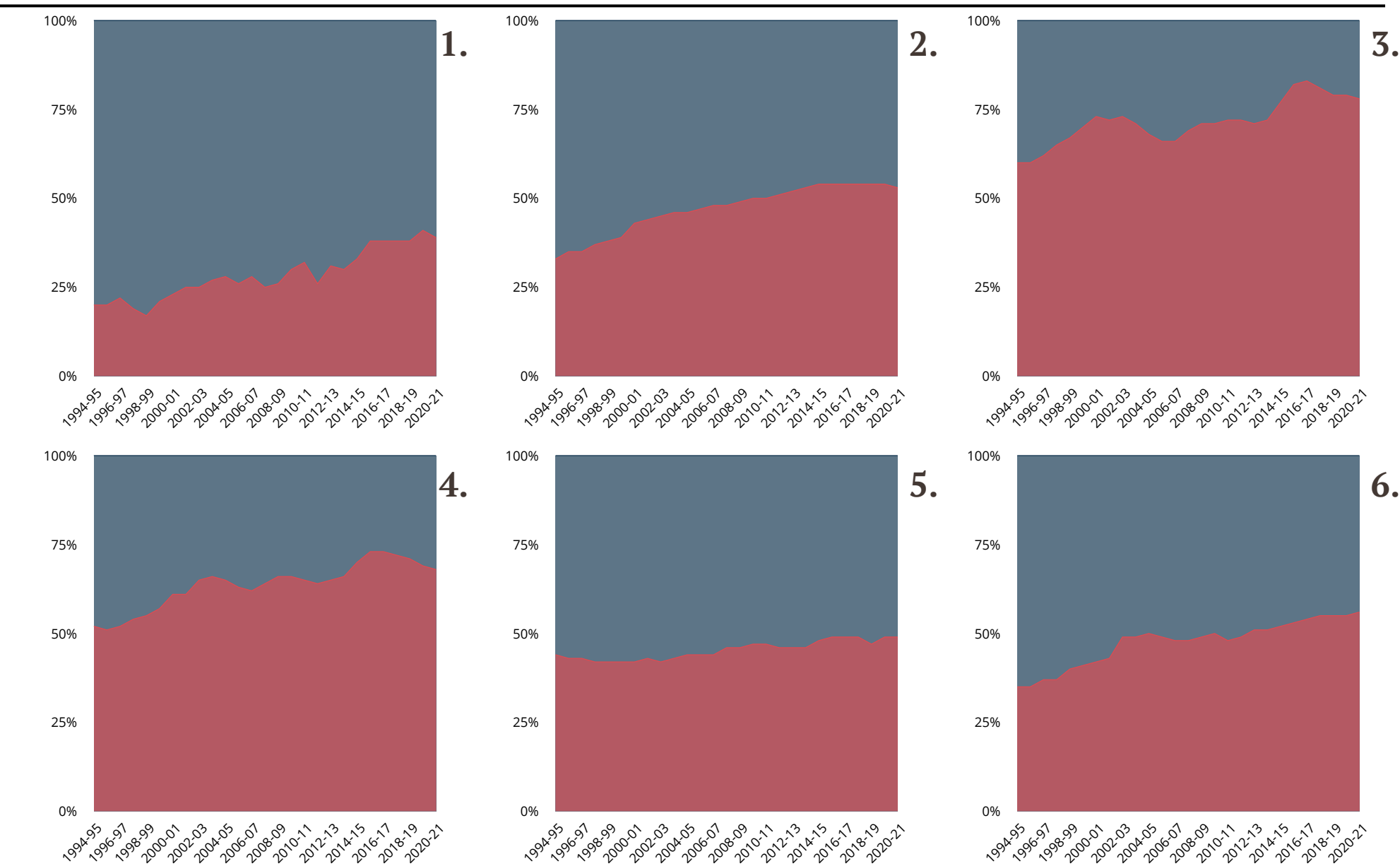
BACHELOR'S

- 1. Geography
- 2. Business, Management, Marketing, and Related Support Services
- 3. Computer and Information Sciences and Support Services
- 4. Engineering
- 5. Physical Sciences
- 6. Social Sciences



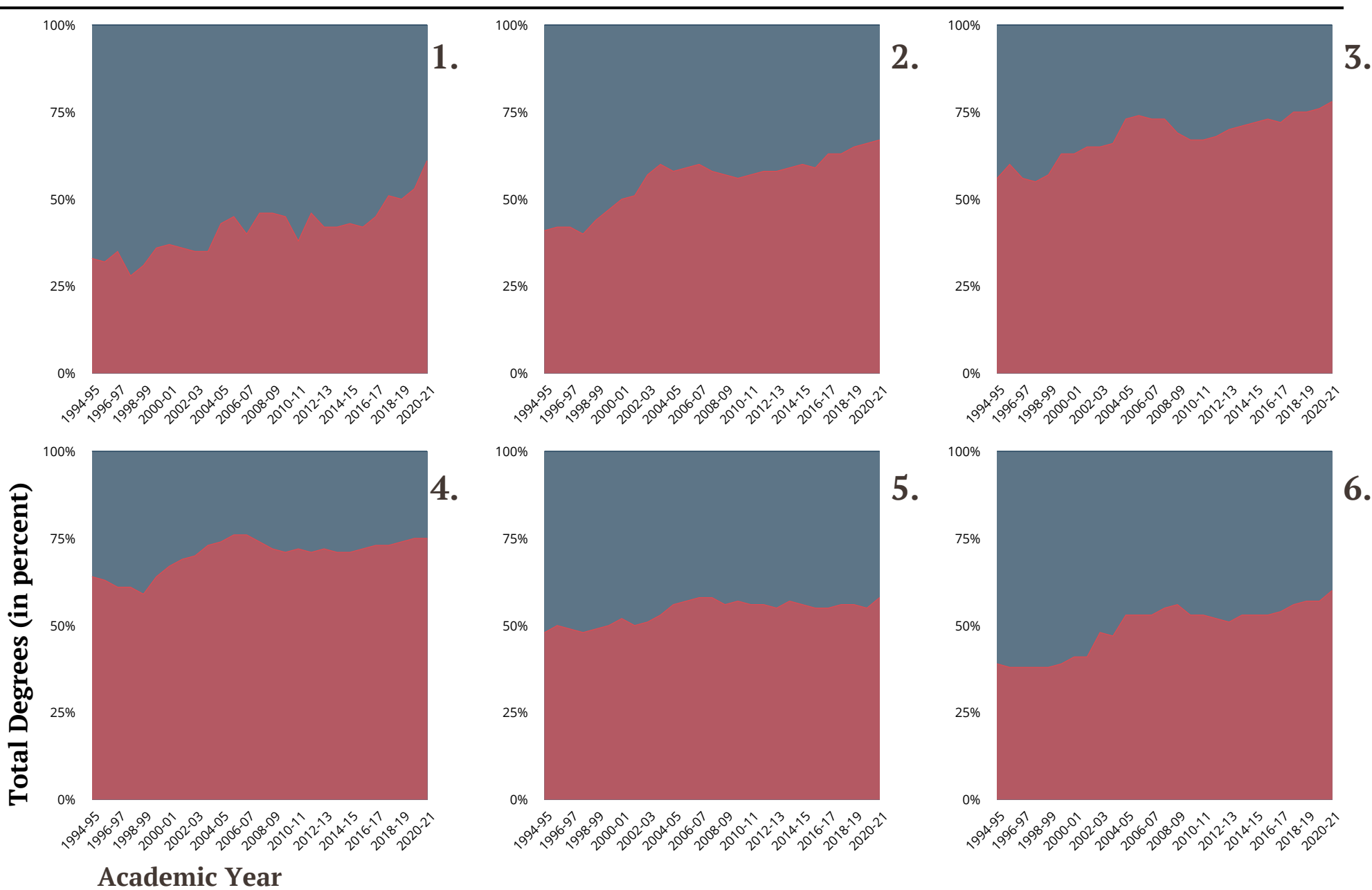
MASTER'S

- 1. Geography
- 2. Business, Management, Marketing, and Related Support Services
- 3. Computer and Information Sciences and Support Services
- 4. Engineering
- 5. Physical Sciences
- 6. Social Sciences



DOCTORAL

- 1. Geography
- 2. Business, Management, Marketing, and Related Support Services
- 3. Computer and Information Sciences and Support Services
- 4. Engineering
- 5. Physical Sciences
- 6. Social Sciences



Historically Excluded Populations

White



Figure 20. How Does Geography Compare to Other Fields of Study in Race and Ethnicity?
Percentage of total degrees, by degree type, conferred by race and ethnicity and CIP code: other fields of study vs Geography and Geography-related CIP Codes, 1994-2021

The State of Geography and diversity pt. V

Historically Excluded Populations

White

BACHELOR'S

MASTER'S

DOCTORAL

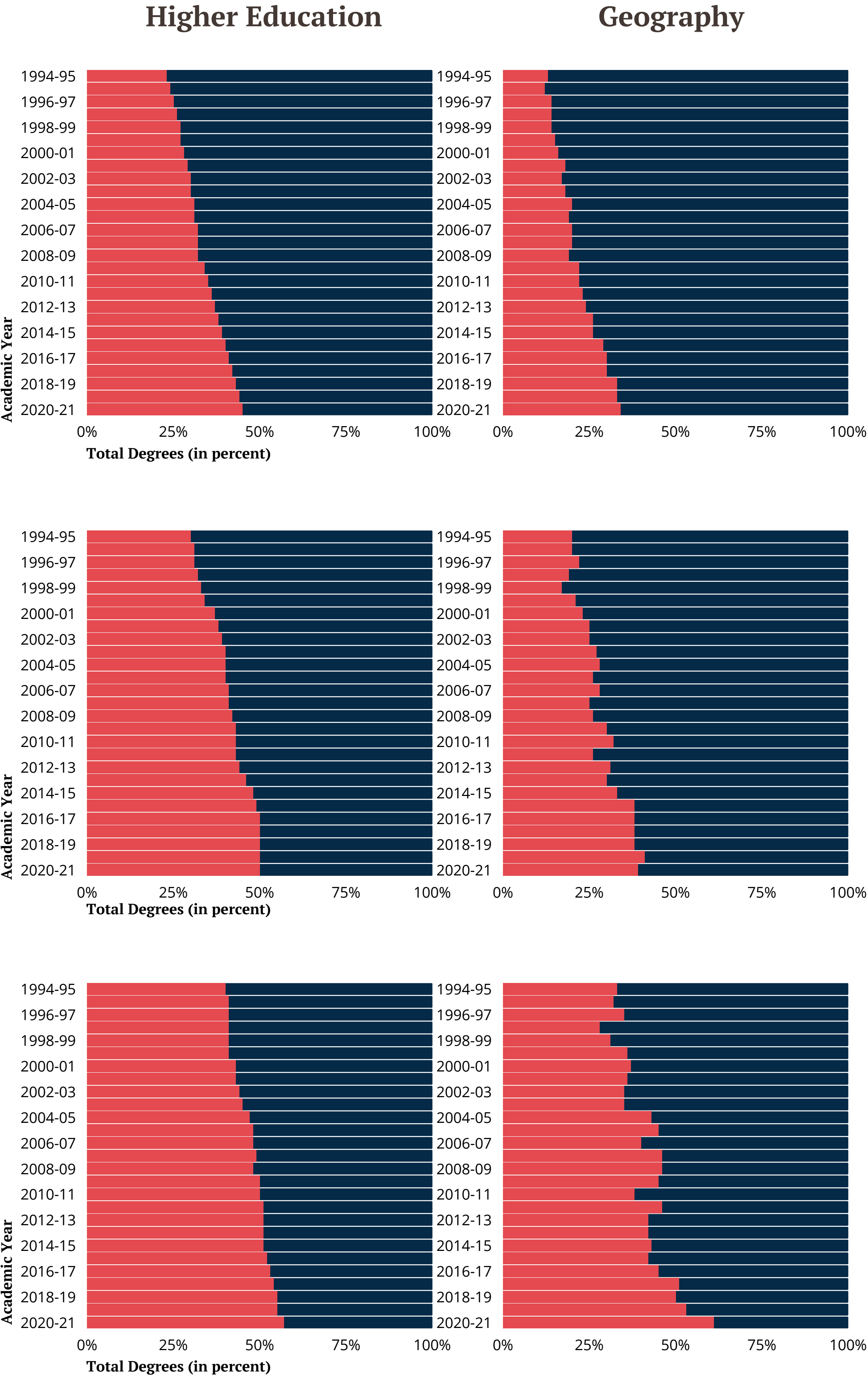
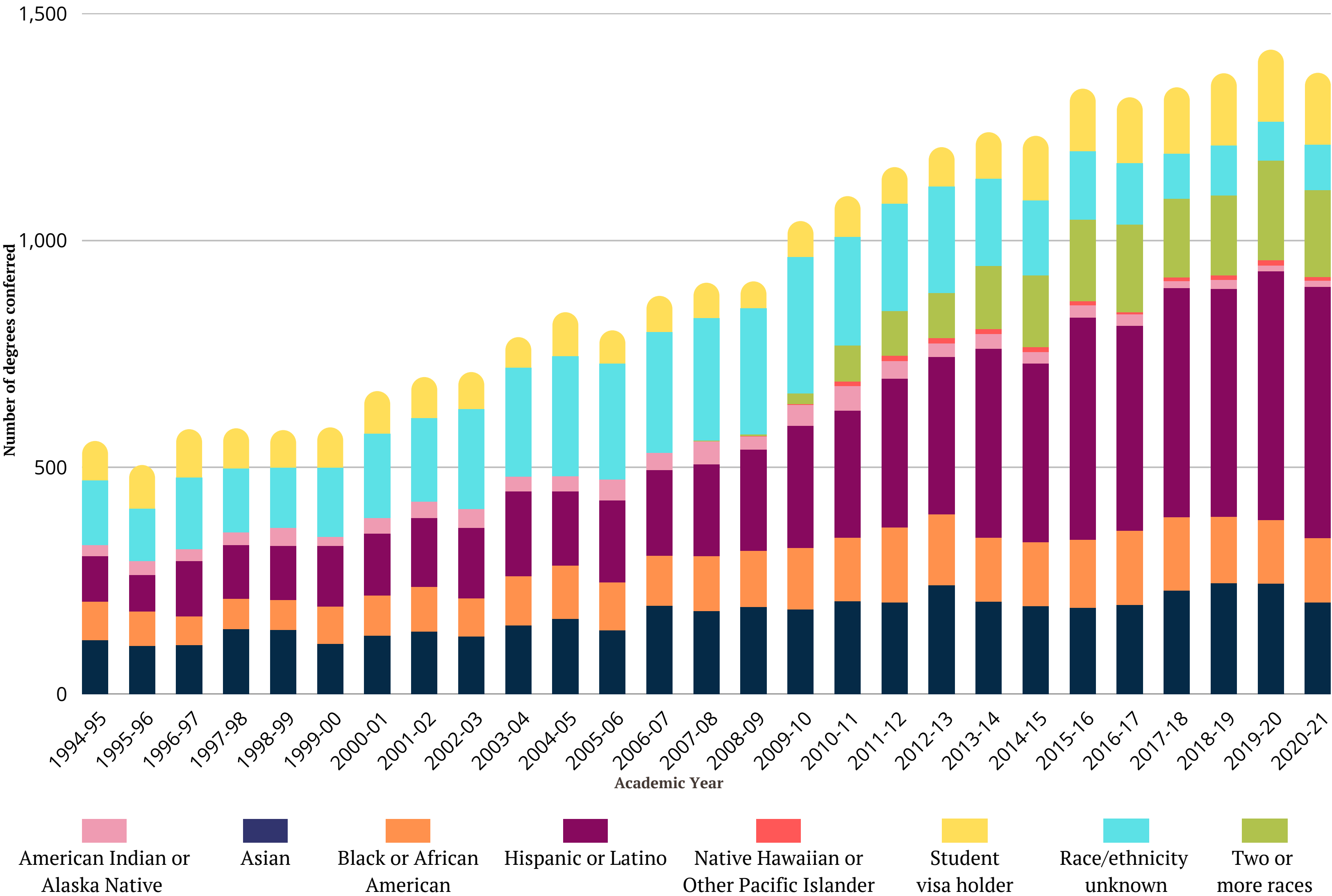


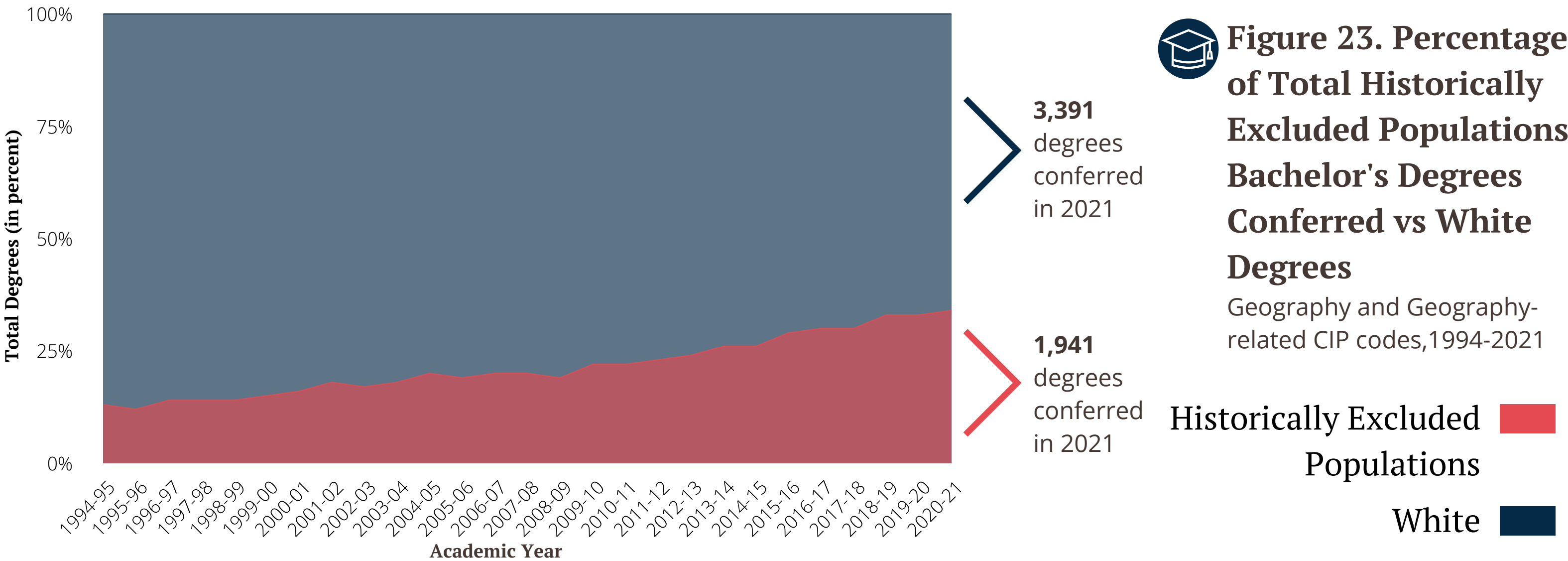
Figure 21. How Does Geography Compare to Higher Education in Race and Ethnicity?
Percentage of total degrees, by degree type, conferred by race and ethnicity in Higher Education (99-Grand Total) and Geography and Geography-related CIP codes, 1994-2021


The State of Geography and diversity pt. IV



 **Figure 22. Trends in Geography Bachelor's Degrees Conferred by Race and Ethnicity Over Time**

Stacked bar chart showing number of Bachelor's degrees conferred by race and ethnicity and Geography and Geography-related CIP codes, 1994-2021



 **Figure 23. Percentage of Total Historically Excluded Populations Bachelor's Degrees Conferred vs White Degrees**

Geography and Geography-related CIP codes, 1994-2021

Historically Excluded Populations
White

The State of Geography and diversity pt. V

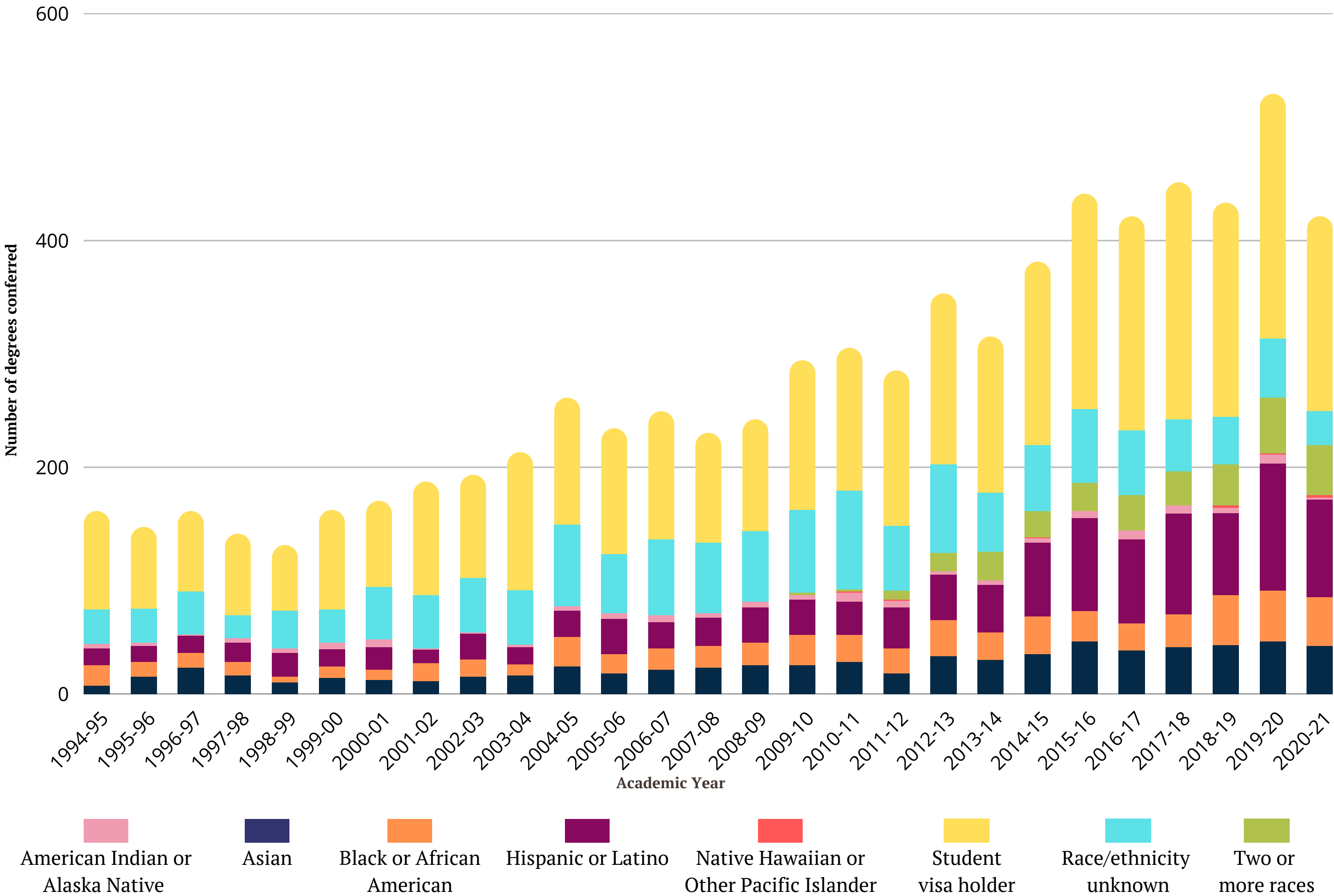


Figure 24. Trends in Geography Master's Degrees Conferred by Race and Ethnicity Over Time

Stacked bar chart showing number of Master's degrees conferred by race and ethnicity and Geography and Geography-related CIP codes, 1994-2021

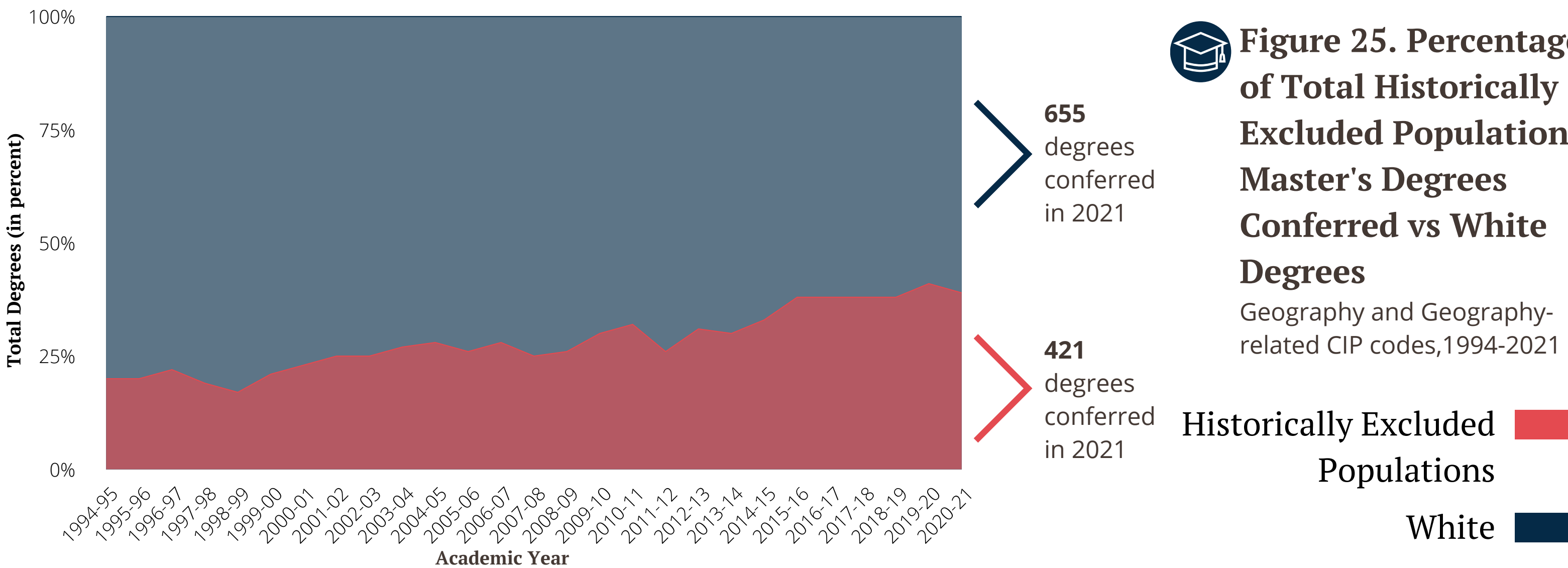


Figure 25. Percentage of Total Historically Excluded Populations Master's Degrees Conferred vs White Degrees

Geography and Geography-related CIP codes, 1994-2021

The State of Geography and diversity pt. VI

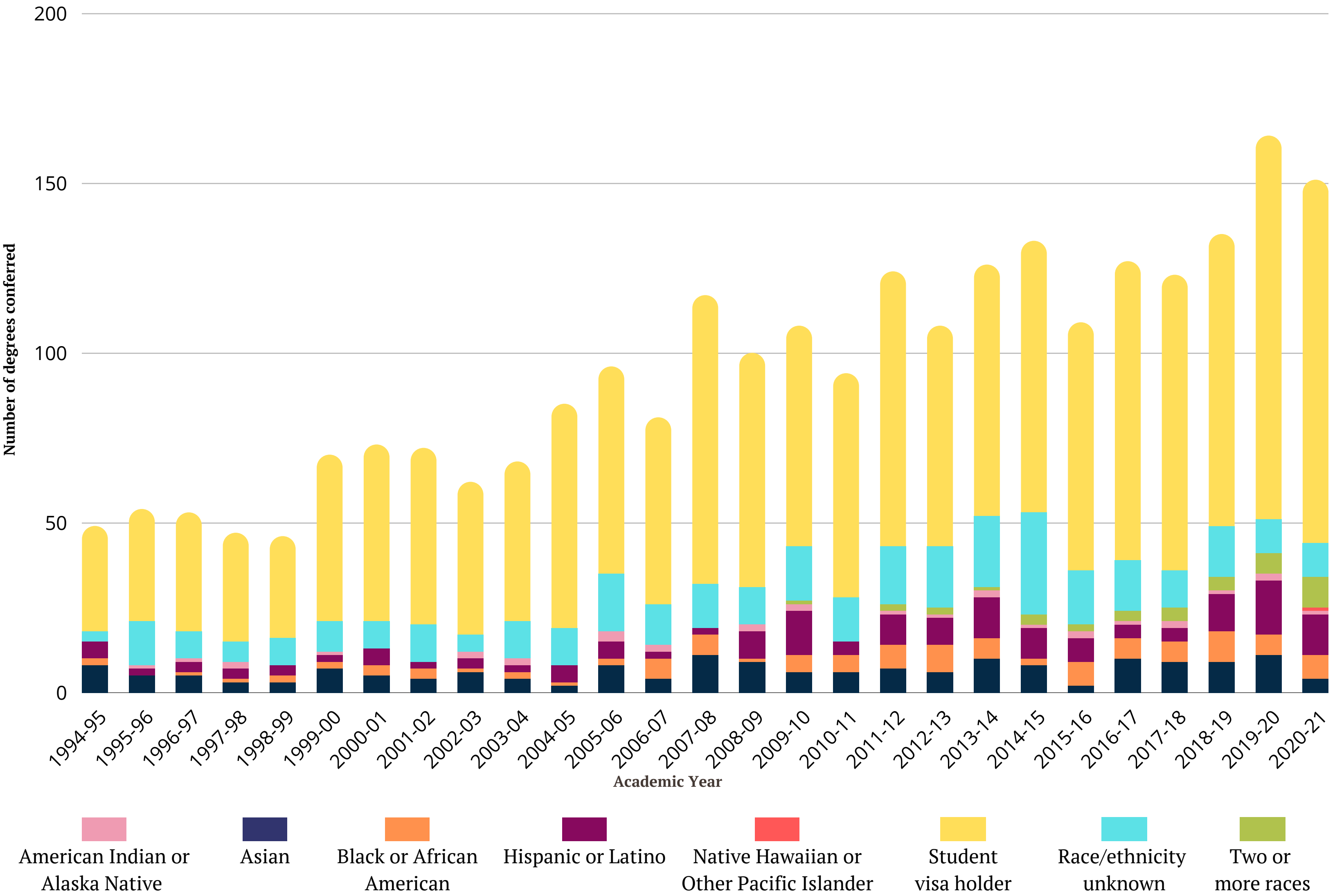


Figure 26. Trends in Geography Doctoral Degrees Conferred by Race and Ethnicity Over Time
Stacked bar chart showing number of Doctoral degrees conferred by race and ethnicity and Geography and Geography-related CIP codes, 1994-2021

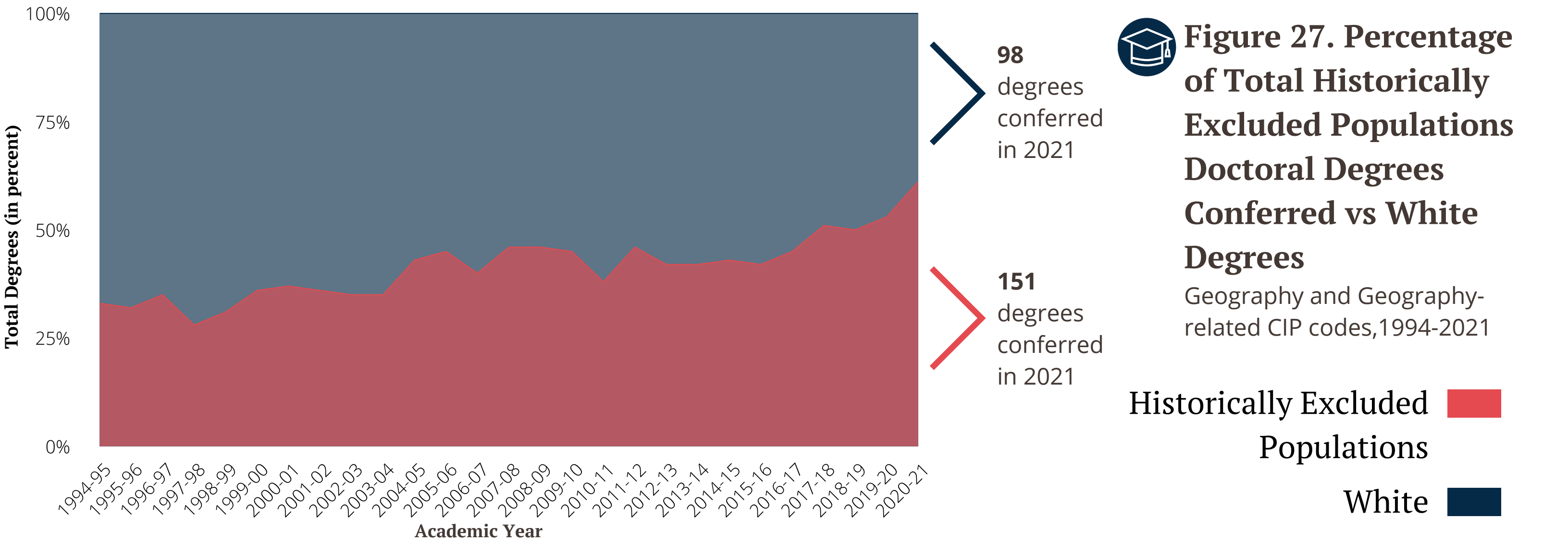


Figure 27. Percentage of Total Historically Excluded Populations Doctoral Degrees Conferred vs White Degrees
Geography and Geography-related CIP codes, 1994-2021

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Appendix A

A list of all CIP codes contained within the comparison fields of study used within this State of Geography report. Those indicated in italics are the CIP codes referenced throughout the report.

Source: <https://nces.ed.gov/ipeds/datacenter/selectvariables.aspx>

- *Social Sciences*
 - *45.02 - Anthropology*
 - 45.0201 - Anthropology, General
 - 45.0202 - Physical and Biological Anthropology
 - 45.0203 - Medical Anthropology
 - 45.0204 - Cultural Anthropology
 - 45.0205 - Forensic Anthropology
 - 45.0299 - Anthropology, Other
 - *45.06 - Economics*
 - 45.0601 - Economics, General
 - 45.0602 - Applied Economics
 - 45.0603 - Econometrics and Quantitative Economics
 - 45.0604 - Development Economics and International Development
 - 45.0605 - International Economics
 - 45.0699 - Economics, Other
 - *45.10 - Political Science and Government*
 - 45.1001 - Political Science and Government, General
 - 45.1002 - American Government and Politics (United States)
 - 45.1003 - Canadian Government and Politics
 - 45.1004 - Political Economy
 - 45.1099 - Political Science and Government, Other
 - *45.11 - Sociology*
 - 45.1101 - Sociology, General
 - 45.1102 - Applied/Public Sociology
 - 45.1103 - Rural Sociology
 - 45.1199 - Sociology, Other
- *Physical Sciences*
 - *40.04 - Atmospheric Sciences and Meteorology*
 - 40.0401 - Atmospheric Sciences and Meteorology, General
 - 40.0402 - Atmospheric Chemistry and Climatology
 - 40.0403 - Atmospheric Physics and Dynamics
 - 40.0404 - Meteorology
 - 40.0499 - Atmospheric Sciences and Meteorology, Other
 - *40.05 - Chemistry*
 - 40.0501 - Chemistry, General
 - 40.0502 - Analytical Chemistry
 - 40.0503 - Inorganic Chemistry
 - 40.0504 - Organic Chemistry
 - 40.0506 - Physical Chemistry
 - 40.0507 - Polymer Chemistry
 - 40.0508 - Chemical Physics
 - 40.0509 - Environmental Chemistry
 - 40.0510 - Forensic Chemistry
 - 40.0511 - Theoretical Chemistry
 - 40.0512 - Cheminformatics/Chemistry Informatics
 - 40.0599 - Chemistry, Other

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- 40.06 - *Geological and Earth Sciences/Geosciences*
 - 40.0601 - Geology/Earth Science, General
 - 40.0602 - Geochemistry
 - 40.0603 - Geophysics and Seismology
 - 40.0604 - Paleontology
 - 40.0605 - Hydrology and Water Resources Science
 - 40.0606 - Geochemistry and Petrology
 - 40.0607 - Oceanography, Chemical and Physical
 - 40.0699 - Geological and Earth Sciences/Geosciences, Other
- 03 - *Natural Resources and Conservation*
 - 03.01 - Natural Resources Conservation and Research
 - 03.0101 - Natural Resources/Conservation, General
 - 03.0103 - Environmental Studies
 - 03.0104 - Environmental Science
 - 03.0199 - Natural Resources Conservation and Research, Other
 - 03.02 - Environmental/Natural Resources Management and Policy
 - 03.0201 - Environmental/Natural Resources Management and Policy, General
 - 03.0204 - Environmental/Natural Resource Economics
 - 03.0205 - Water, Wetlands, and Marine Resources Management
 - 03.0206 - Land Use Planning and Management/Development
 - 03.0207 - Environmental/Natural Resource Recreation and Tourism
 - 03.0208 - Environmental/Natural Resources Law Enforcement and Protective Services
 - 03.0209 - Energy and Environmental Policy
 - 03.0210 - Bioenergy
 - 03.0299 - Environmental/Natural Resources Management and Policy, Other
 - 03.03 - Fishing and Fisheries Sciences and Management
 - 03.0301 - Fishing and Fisheries Sciences and Management
 - 03.05 - Forestry
 - 03.0501 - Forestry, General
 - 03.0502 - Forest Sciences and Biology
 - 03.0506 - Forest Management/Forest Resources Management
 - 03.0508 - Urban Forestry
 - 03.0509 - Wood Science and Wood Products/Pulp and Paper Technology/Technician
 - 03.0510 - Forest Resources Production and Management
 - 03.0511 - Forest Technology/Technician
 - 03.0599 - Forestry, Other
 - 03.06 - Wildlife and Wildlands Science and Management
 - 03.0601 - Wildlife, Fish and Wildlands Science and Management
 - 03.99 - Natural Resources and Conservation, Other
 - 03.9999 - Natural Resources and Conservation, Other
- 40.08 - *Physics*
 - 40.0801 - Physics, General
 - 40.0802 - Atomic/Molecular Physics
 - 40.0804 - Elementary Particle Physics
 - 40.0805 - Plasma and High-Temperature Physics
 - 40.0806 - Nuclear Physics
 - 40.0807 - Optics/Optical Sciences
 - 40.0808 - Condensed Matter and Materials Physics
 - 40.0809 - Acoustics
 - 40.0810 - Theoretical and Mathematical Physics
 - 40.0899 - Physics, Other

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- *Other fields of study*
 - *52 Business, Management, Marketing, and Related Support Services*
 - 52.01 - Business/Commerce, General
 - 52.0101 - Business/Commerce, General
 - 52.02 - Business Administration, Management and Operations
 - 52.0201 - Business Administration and Management, General
 - 52.0202 - Purchasing, Procurement/Acquisitions and Contracts Management
 - 52.0203 - Logistics, Materials, and Supply Chain Management
 - 52.0204 - Office Management and Supervision
 - 52.0205 - Operations Management and Supervision
 - 52.0206 - Non-Profit/Public/Organizational Management
 - 52.0207 - Customer Service Management
 - 52.0208 - E-Commerce/Electronic Commerce
 - 52.0209 - Transportation/Mobility Management
 - 52.0210 - Research and Development Management
 - 52.0211 - Project Management
 - 52.0212 - Retail Management
 - 52.0213 - Organizational Leadership
 - 52.0214 - Research Administration
 - 52.0215 - Risk Management
 - 52.0216 - Science/Technology Management
 - 52.0299 - Business Administration, Management and Operations, Other
 - 52.03 - Accounting and Related Services
 - 52.0301 - Accounting
 - 52.0302 - Accounting Technology/Technician and Bookkeeping
 - 52.0303 - Auditing
 - 52.0304 - Accounting and Finance
 - 52.0305 - Accounting and Business/Management
 - 52.0399 - Accounting and Related Services, Other
 - 52.04 - Business Operations Support and Assistant Services
 - 52.0401 - Administrative Assistant and Secretarial Science, General
 - 52.0402 - Executive Assistant/Executive Secretary
 - 52.0406 - Receptionist
 - 52.0407 - Business/Office Automation/Technology/Data Entry
 - 52.0408 - General Office Occupations and Clerical Services
 - 52.0409 - Parts, Warehousing, and Inventory Management Operations
 - 52.0410 - Traffic, Customs, and Transportation Clerk/Technician
 - 52.0411 - Customer Service Support/Call Center/Teleservice Operation
 - 52.0499 - Business Operations Support and Secretarial Services, Other
 - 52.05 - Business/Corporate Communications
 - 52.0501 - Business/Corporate Communications, General
 - 52.0502 - Grantsmanship
 - 52.0599 - Business/Corporate Communications, Other
 - 52.06 - Business/Managerial Economics
 - 52.0601 - Business/Managerial Economics
 - 52.07 - Entrepreneurial and Small Business Operations
 - 52.0701 - Entrepreneurship/Entrepreneurial Studies
 - 52.0702 - Franchising and Franchise Operations
 - 52.0703 - Small Business Administration/Management
 - 52.0704 - Social Entrepreneurship
 - 52.0799 - Entrepreneurial and Small Business Operations, Other

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- 52.08 - Finance and Financial Management Services
 - 52.0801 - Finance, General
 - 52.0803 - Banking and Financial Support Services
 - 52.0804 - Financial Planning and Services
 - 52.0806 - International Finance
 - 52.0807 - Investments and Securities
 - 52.0808 - Public Finance
 - 52.0809 - Credit Management
 - 52.0810 - Financial Risk Management
 - 52.0899 - Finance and Financial Management Services, Other
- 52.09 - Hospitality Administration/Management
 - 52.0901 - Hospitality Administration/Management, General
 - 52.0903 - Tourism and Travel Services Management
 - 52.0904 - Hotel/Motel Administration/Management
 - 52.0905 - Restaurant/Food Services Management
 - 52.0906 - Resort Management
 - 52.0907 - Meeting and Event Planning
 - 52.0908 - Casino Management
 - 52.0909 - Hotel, Motel, and Restaurant Management
 - 52.0910 - Brewery/Brewpub Operations/Management
 - 52.0999 - Hospitality Administration/Management, Other
- 52.10 - Human Resources Management and Services
 - 52.1001 - Human Resources Management/Personnel Administration, General
 - 52.1002 - Labor and Industrial Relations
 - 52.1003 - Organizational Behavior Studies
 - 52.1004 - Labor Studies
 - 52.1005 - Human Resources Development
 - 52.1006 - Executive/Career Coaching
 - 52.1099 - Human Resources Management and Services, Other
- 52.11 - International Business
 - 52.1101 - International Business/Trade/Commerce
- 52.12 - Management Information Systems and Services
 - 52.1201 - Management Information Systems, General
 - 52.1206 - Information Resources Management
 - 52.1207 - Knowledge Management
 - 52.1299 - Management Information Systems and Services, Other
- 52.13 - Management Sciences and Quantitative Methods
 - 52.1301 - Management Science
 - 52.1302 - Business Statistics
 - 52.1304 - Actuarial Science
 - 52.1399 - Management Sciences and Quantitative Methods, Other
- 52.14 - Marketing
 - 52.1401 - Marketing/Marketing Management, General
 - 52.1402 - Marketing Research
 - 52.1403 - International Marketing
 - 52.1404 - Digital Marketing
 - 52.1499 - Marketing, Other
- 52.15 - Real Estate
 - 52.1501 - Real Estate
- 52.16 - Taxation
 - 52.1601 - Taxation

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- 52.17 - Insurance
 - 52.1701 - Insurance
- 52.18 - General Sales, Merchandising and Related Marketing Operations
 - 52.1801 - Sales, Distribution, and Marketing Operations, General
 - 52.1802 - Merchandising and Buying Operations
 - 52.1803 - Retailing and Retail Operations
 - 52.1804 - Selling Skills and Sales Operations
 - 52.1899 - General Merchandising, Sales, and Related Marketing Operations, Other
- 52.19 - Specialized Sales, Merchandising and Marketing Operations
 - 52.1901 - Auctioneering
 - 52.1902 - Fashion Merchandising
 - 52.1903 - Fashion Modeling
 - 52.1904 - Apparel and Accessories Marketing Operations
 - 52.1905 - Tourism and Travel Services Marketing Operations
 - 52.1906 - Tourism Promotion Operations
 - 52.1907 - Vehicle and Vehicle Parts and Accessories Marketing Operations
 - 52.1908 - Business and Personal/Financial Services Marketing Operations
 - 52.1909 - Special Products Marketing Operations
 - 52.1910 - Hospitality and Recreation Marketing Operations
 - 52.1999 - Specialized Merchandising, Sales, and Marketing Operations, Other
- 52.20 - Construction Management
 - 52.2001 - Construction Management, General
 - 52.2002 - Construction Project Management
 - 52.2099 - Construction Management, Other
- 52.21 - Telecommunications Management
 - 52.2101 - Telecommunications Management
- 52.99 - Business, Management, Marketing, and Related Support Services, Other
 - 52.9999 - Business, Management, Marketing, and Related Support Services, Other
- 11 *Computer and Information Sciences and Support Services*
 - 11.01 - Computer and Information Sciences, General
 - 11.0101 - Computer and Information Sciences, General
 - 11.0102 - Artificial Intelligence
 - 11.0103 - Information Technology
 - 11.0104 - Informatics
 - 11.0105 - Human-Centered Technology Design
 - 11.0199 - Computer and Information Sciences, Other
 - 11.02 - Computer Programming
 - 11.0201 - Computer Programming/Programmer, General
 - 11.0202 - Computer Programming, Specific Applications
 - 11.0203 - Computer Programming, Vendor/Product Certification
 - 11.0204 - Computer Game Programming
 - 11.0205 - Computer Programming, Specific Platforms
 - 11.0299 - Computer Programming, Other
 - 11.03 - Data Processing
 - 11.0301 - Data Processing and Data Processing Technology/Technician
 - 11.04 - Information Science/Studies
 - 11.0401 - Information Science/Studies
 - 11.05 - Computer Systems Analysis
 - 11.0501 - Computer Systems Analysis/Analyst

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- 11.06 - Data Entry/Microcomputer Applications
 - 11.0601 - Data Entry/Microcomputer Applications, General
 - 11.0602 - Word Processing
 - 11.0699 - Data Entry/Microcomputer Applications, Other
- 11.07 - Computer Science
 - 11.0701 - Computer Science
- 11.08 - Computer Software and Media Applications
 - 11.0801 - Web Page, Digital/Multimedia and Information Resources Design
 - 11.0802 - Data Modeling/Warehousing and Database Administration
 - 11.0803 - Computer Graphics
 - 11.0804 - Modeling, Virtual Environments and Simulation
 - 11.0899 - Computer Software and Media Applications, Other
- 11.09 - Computer Systems Networking and Telecommunications
 - 11.0901 - Computer Systems Networking and Telecommunications
 - 11.0902 - Cloud Computing
 - 11.0999 - Computer Systems Networking and Telecommunications, Other
- 11.10 - Computer/Information Technology Administration and Management
 - 11.1001 - Network and System Administration/Administrator
 - 11.1002 - System, Networking, and LAN/WAN Management/Manager
 - 11.1003 - Computer and Information Systems Security/Auditing/Information Assurance
 - 11.1004 - Web/Multimedia Management and Webmaster
 - 11.1005 - Information Technology Project Management
 - 11.1006 - Computer Support Specialist
 - 11.1099 - Computer/Information Technology Services Administration and Management, Other
- 11.99 - Computer and Information Sciences and Support Services, Other
 - 11.9999 - Computer and Information Sciences and Support Services, Other
- 14 *Engineering*
 - 14.01 - Engineering, General
 - 14.0101 - Engineering, General
 - 14.0102 - Pre-Engineering
 - 14.0103 - Applied Engineering
 - 14.02 - Aerospace, Aeronautical, and Astronautical/Space Engineering
 - 14.0201 - Aerospace, Aeronautical, and Astronautical/Space Engineering, General
 - 14.0202 - Astronautical Engineering
 - 14.0299 - Aerospace, Aeronautical, and Astronautical/Space Engineering, Other
 - 14.03 - Agricultural Engineering
 - 14.0301 - Agricultural Engineering
 - 14.04 - Architectural Engineering
 - 14.0401 - Architectural Engineering
 - 14.05 - Biomedical/Medical Engineering
 - 14.0501 - Bioengineering and Biomedical Engineering
 - 14.06 - Ceramic Sciences and Engineering
 - 14.0601 - Ceramic Sciences and Engineering
 - 14.07 - Chemical Engineering
 - 14.0701 - Chemical Engineering
 - 14.0702 - Chemical and Biomolecular Engineering
 - 14.0799 - Chemical Engineering, Other
 - 14.08 - Civil Engineering
 - 14.0801 - Civil Engineering, General
 - 14.0802 - Geotechnical and Geoenvironmental Engineering
 - 14.0803 - Structural Engineering

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- 14.0803 - Structural Engineering
- 14.0804 - Transportation and Highway Engineering
- 14.0805 - Water Resources Engineering
- 14.0899 - Civil Engineering, Other
- 14.09 - Computer Engineering
 - 14.0901 - Computer Engineering, General
 - 14.0902 - Computer Hardware Engineering
 - 14.0903 - Computer Software Engineering
 - 14.0999 - Computer Engineering, Other
- 14.10 - Electrical, Electronics, and Communications Engineering
 - 14.1001 - Electrical and Electronics Engineering
 - 14.1003 - Laser and Optical Engineering
 - 14.1004 - Telecommunications Engineering
 - 14.1099 - Electrical, Electronics, and Communications Engineering, Other
- 14.11 - Engineering Mechanics
 - 14.1101 - Engineering Mechanics
- 14.12 - Engineering Physics
 - 14.1201 - Engineering Physics/Applied Physics
- 14.13 - Engineering Science
 - 14.1301 - Engineering Science
- 14.14 - Environmental/Environmental Health Engineering
 - 14.1401 - Environmental/Environmental Health Engineering
- 14.18 - Materials Engineering
 - 14.1801 - Materials Engineering
- 14.19 - Mechanical Engineering
 - 14.1901 - Mechanical Engineering
- 14.20 - Metallurgical Engineering
 - 14.2001 - Metallurgical Engineering
- 14.21 - Mining and Mineral Engineering
 - 14.2101 - Mining and Mineral Engineering
- 14.22 - Naval Architecture and Marine Engineering
 - 14.2201 - Naval Architecture and Marine Engineering
- 14.23 - Nuclear Engineering
 - 14.2301 - Nuclear Engineering
- 14.24 - Ocean Engineering
 - 14.2401 - Ocean Engineering
- 14.25 - Petroleum Engineering
 - 14.2501 - Petroleum Engineering
- 14.27 - Systems Engineering
 - 14.2701 - Systems Engineering
- 14.28 - Textile Sciences and Engineering
 - 14.2801 - Textile Sciences and Engineering
- 14.32 - Polymer/Plastics Engineering
 - 14.3201 - Polymer/Plastics Engineering
- 14.33 - Construction Engineering
 - 14.3301 - Construction Engineering
- 14.34 - Forest Engineering
 - 14.3401 - Forest Engineering
- 14.35 - Industrial Engineering
 - 14.3501 - Industrial Engineering

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- 14.36 - Manufacturing Engineering
 - 14.3601 - Manufacturing Engineering
- 14.37 - Operations Research
 - 14.3701 - Operations Research
- 14.38 - Surveying Engineering
 - 14.3801 - Surveying Engineering
- 14.39 - Geological/Geophysical Engineering
 - 14.3901 - Geological/Geophysical Engineering
- 14.40 - Paper Science and Engineering
 - 14.4001 - Paper Science and Engineering
- 14.41 - Electromechanical Engineering
 - 14.4101 - Electromechanical Engineering
- 14.42 - Mechatronics, Robotics, and Automation Engineering
 - 14.4201 - Mechatronics, Robotics, and Automation Engineering
- 14.43 - Biochemical Engineering
 - 14.4301 - Biochemical Engineering
- 14.44 - Engineering Chemistry
 - 14.4401 - Engineering Chemistry
- 14.45 - Biological/Biosystems Engineering
 - 14.4501 - Biological/Biosystems Engineering
- 14.47 - Electrical and Computer Engineering
 - 14.4701 - Electrical and Computer Engineering
- 14.48 - Energy Systems Engineering
 - 14.4801 - Energy Systems Engineering, General
 - 14.4802 - Power Plant Engineering
 - 14.4899 - Energy Systems Engineering, Other
- 14.99 - Engineering, Other
 - 14.9999 - Engineering, Other
- 40 *Physical Sciences*
 - 40.01 - Physical Sciences, General
 - 40.0101 - Physical Sciences, General
 - 40.02 - Astronomy and Astrophysics
 - 40.0201 - Astronomy
 - 40.0202 - Astrophysics
 - 40.0203 - Planetary Astronomy and Science
 - 40.0299 - Astronomy and Astrophysics, Other
 - 40.04 - Atmospheric Sciences and Meteorology
 - 40.0401 - Atmospheric Sciences and Meteorology, General
 - 40.0402 - Atmospheric Chemistry and Climatology
 - 40.0403 - Atmospheric Physics and Dynamics
 - 40.0404 - Meteorology
 - 40.0499 - Atmospheric Sciences and Meteorology, Other
 - 40.05 - Chemistry
 - 40.0501 - Chemistry, General
 - 40.0502 - Analytical Chemistry
 - 40.0503 - Inorganic Chemistry
 - 40.0504 - Organic Chemistry
 - 40.0506 - Physical Chemistry
 - 40.0507 - Polymer Chemistry
 - 40.0508 - Chemical Physics
 - 40.0509 - Environmental Chemistry

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- 40.0510 - Forensic Chemistry
- 40.0511 - Theoretical Chemistry
- 40.0512 - Cheminformatics/Chemistry Informatics
- 40.0599 - Chemistry, Other
- 40.06 - Geological and Earth Sciences/Geosciences
 - 40.0601 - Geology/Earth Science, General
 - 40.0602 - Geochemistry
 - 40.0603 - Geophysics and Seismology
 - 40.0604 - Paleontology
 - 40.0605 - Hydrology and Water Resources Science
 - 40.0606 - Geochemistry and Petrology
 - 40.0607 - Oceanography, Chemical and Physical
 - 40.0699 - Geological and Earth Sciences/Geosciences, Other
- 40.08 - Physics
 - 40.0801 - Physics, General
 - 40.0802 - Atomic/Molecular Physics
 - 40.0804 - Elementary Particle Physics
 - 40.0805 - Plasma and High-Temperature Physics
 - 40.0806 - Nuclear Physics
 - 40.0807 - Optics/Optical Sciences
 - 40.0808 - Condensed Matter and Materials Physics
 - 40.0809 - Acoustics
 - 40.0810 - Theoretical and Mathematical Physics
 - 40.0899 - Physics, Other
- 40.10 - Materials Sciences
 - 40.1001 - Materials Science
 - 40.1002 - Materials Chemistry
 - 40.1099 - Materials Sciences, Other
- 40.11 - Physics and Astronomy
 - 40.1101 - Physics and Astronomy
- 40.99 - Physical Sciences, Other
 - 40.9999 - Physical Sciences, Other
- 45 Social Sciences
 - 45.01 - Social Sciences, General
 - 45.0101 - Social Sciences, General
 - 45.0102 - Research Methodology and Quantitative Methods
 - 45.0103 - Survey Research/Methodology
 - 45.0199 - Social Sciences, Other
 - 45.02 - Anthropology
 - 45.0201 - Anthropology, General
 - 45.0202 - Physical and Biological Anthropology
 - 45.0203 - Medical Anthropology
 - 45.0204 - Cultural Anthropology
 - 45.0205 - Forensic Anthropology
 - 45.0299 - Anthropology, Other
 - 45.03 - Archeology
 - 45.0301 - Archeology
 - 45.04 - Criminology
 - 45.0401 - Criminology

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- 45.05 - Demography
 - 45.0501 - Demography and Population Studies
 - 45.0502 - Applied Demography
 - 45.0599 - Demography, Other
- 45.06 - Economics
 - 45.0601 - Economics, General
 - 45.0602 - Applied Economics
 - 45.0603 - Econometrics and Quantitative Economics
 - 45.0604 - Development Economics and International Development
 - 45.0605 - International Economics
 - 45.0699 - Economics, Other
- 45.07 - Geography and Cartography
 - 45.0701 - Geography
 - 45.0702 - Geographic Information Science and Cartography
 - 45.0799 - Geography, Other
- 45.09 - International Relations and National Security Studies
 - 45.0901 - International Relations and Affairs
 - 45.0902 - National Security Policy Studies
 - 45.0999 - International Relations and National Security Studies, Other
- 45.10 - Political Science and Government
 - 45.1001 - Political Science and Government, General
 - 45.1002 - American Government and Politics (United States)
 - 45.1003 - Canadian Government and Politics
 - 45.1004 - Political Economy
 - 45.1099 - Political Science and Government, Other
- 45.11 - Sociology
 - 45.1101 - Sociology, General
 - 45.1102 - Applied/Public Sociology
 - 45.1103 - Rural Sociology
 - 45.1199 - Sociology, Other
- 45.12 - Urban Studies/Affairs
 - 45.1201 - Urban Studies/Affairs
- 45.13 - Sociology and Anthropology
 - 45.1301 - Sociology and Anthropology
- 45.15 - Geography and Anthropology
 - 45.1501 - Geography and Anthropology
- 45.99 - Social Sciences, Other
 - 45.9999 - Social Sciences, Other
- *Higher Education*
 - 99 Grand Total

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