

P Discovery Project

Bachelor's Degrees Conferred by Race/Ethnicity

Review the following graph using data from IPEDS (Integrated Postsecondary Education Data) collected from Fall 2000 through Fall 2016 and answer the questions below.

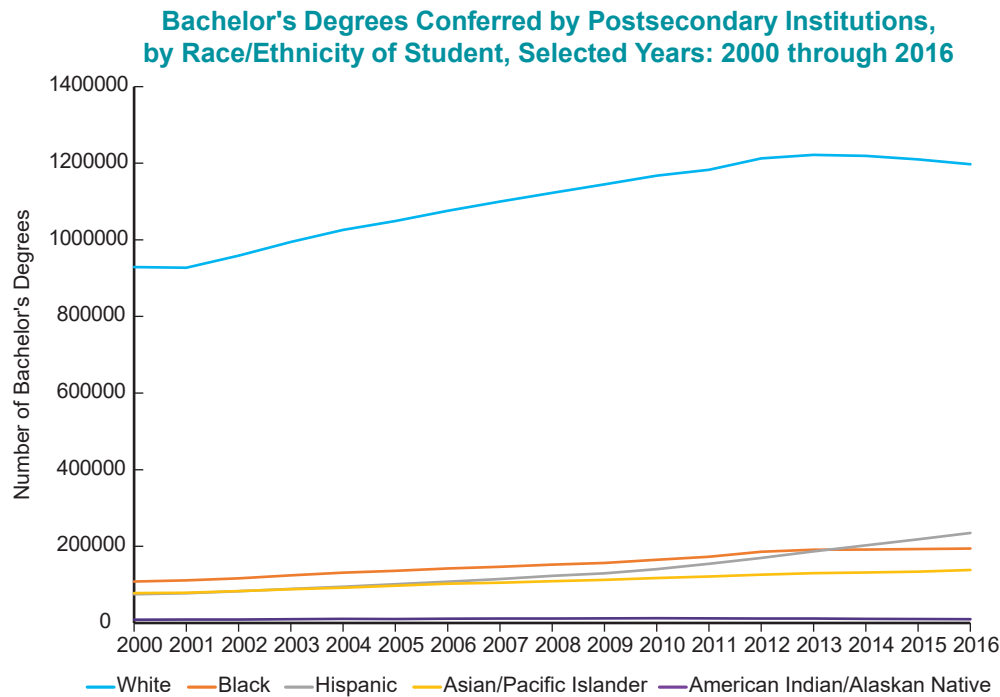
Bachelor's Degrees Conferred by Postsecondary Institutions, by Race/Ethnicity of Student Selected Years: 2000 through 2016

Year	White	Black	Hispanic	Asian/Pacific Islander	American Indian/Alaskan Native
2000	929,102	108,018	75,063	77,909	8,717
2001	927,357	111,307	77,745	78,902	9,049
2002	958,597	116,623	82,966	83,093	9,165
2003	994,616	124,253	89,029	87,964	9,875
2004	1,026,114	131,241	94,644	92,073	10,638
2005	1,049,141	136,122	101,124	97,209	10,307
2006	1,075,561	142,420	107,588	102,376	10,940
2007	1,099,850	146,653	114,936	105,297	11,455
2008	1,122,675	152,457	123,048	109,058	11,509
2009	1,144,628	156,603	129,473	112,581	12,221
2010	1,167,322	164,789	140,426	117,391	12,405
2011	1,182,690	172,731	154,450	121,118	11,935
2012	1,212,417	185,916	169,736	126,177	11,498
2013	1,221,908	191,233	186,677	130,129	11,432
2014	1,218,998	191,437	202,425	131,662	10,784
2015	1,210,071	192,829	218,098	133,916	10,202
2016	1,197,399	194,473	235,014	138,270	9,737

Source: U.S. Department of Education, National Center for Education Statistics, Higher Education General Information Survey (HEGIS), "Degrees and Other Formal Awards Conferred" surveys, 1976-77 and 1980-81; Integrated Postsecondary Education Data System (IPEDS), "Completions Survey" (IPEDS-C:90-99); and IPEDS Fall 2000 through Fall 2016, Completions component. (This table was prepared August 2017).

Data

This data set can be found on stat.hawkeslearning.com under **Discovering Business Statistics, Second Edition > Data Sets > Bachelor's Degrees Conferred by Race and Ethnicity**.



1. Are the data displayed in the graph above discrete or continuous?
2. What is the level of measurement of the data?
3. Are the data above time series or cross-sectional data?
4. Examine the data for each race/ethnicity group. Do the data represent a stationary or nonstationary process? Explain your reasoning for each.
5. Do any of the race/ethnicity groups exhibit a decreasing trend? Try to think of some reasons why this is true.
6. Do any of the race/ethnicity groups show a strictly increasing trend over the entire time period from 2000 to 2016?