Women in Science, Technology, Engineering, the Arts, and Mathematics (STEAM)

1. Women only make up 24% of STEM workers in the United States, 14% of the country's engineers, and 27% of computer science professionals.[i]
2. The number of women in engineering in the U.S. has not increased since the early 2000's.[ii]
3. Only 15% of data scientists are women, despite an increase of data scientist job postings by 256% since 2013.[iii]
4. Only 16% of American high school seniors are proficient in math and interested in a career in science, technology, engineering, or mathematics.[iv]
5. While girls' interest in computer science diminishes over time, the biggest drop occurs between ages 13 to 17.[v]
6. STEM occupations are growing at double the rate of other professions.[vi]
7. While progress has been made in improving the representation of women in the scientific, engineering, and medical communities, women, and particularly women of color, remain underrepresented in many of these fields, and at many education levels and career stages.[vii]
8. Only 17% of all computer and information science bachelor's degree students were women.[viii]
9. Female students' achievement in mathematics and science is on par with their male peers and, with the exception of computer science and engineering courses, they also participate in high-level mathematics and science courses at rates similar to their male peers.[ix]
10. Seventy-four percent of middle school girls who participate in STEM activities say they are likely to study computer science in high school; middle school girls who participate in STEM clubs and activities are more than twice as likely to say they will study physics in high school, and are nearly three times as likely to say they will study engineering.[x]

[i] https://www.lorealusa.com/csr-commitments/l%E2%80%99or%C3%A9al-usa-for-women-in-science-program
[ii] https://research.swe.org/
[iii] https://www.creatingitfutures.org/resources/blog/creating-it-futures/2019/05/06/6-tips-for-women-thinking-about-a-career-in-tech
[iv] https://www.astellas.us/CSR2015/Foundation.cshtml
[v] https://www.qualcomm.com/media/documents/files/women-enhancing-technology-engineering-the-future-for-girls-and-women-across-the-globe.pdf
[vi] https://www.girlscouts.org/en/adults/donate/STEM-pledge.html
[vii] https://www8.nationalacademies.org/pa/projectview.aspx?key=51113
[viii] https://mcwic.cs.umd.edu/about
[ix] https://www.nsf.gov/statistics/2016/nsb20161/#/report
[x] https://www.forbes.com/sites/jessicabaron/2019/02/11/we-have-a-long-way-to-go-before-women-are-equally-represented-in-the-sciences/#64a785e76168