

MRC

Biostatistics Unit



UNIVERSITY OF
CAMBRIDGE

Women in Statistics: Past, Present and Future

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Women in Data Science and Statistics SIG

Facts: Maths section

In academia, numbers from the London Mathematical Society's Benchmarking Survey on Women in Mathematics (to be released) are as follows:

▷ Years: 2013 to 2017:

The proportion of A Level Mathematics students who are female remained at 39%, while the proportion of A Level Further Mathematics students who are female fell from 29% to 27%;

▷ Years: 2011 to 2017:

- The proportion of first degree mathematical sciences graduates who are female fell from 43% to 40%.
- The proportion of Master's mathematical sciences graduates who are female rose from 37% to 43% over the same period, driven by increased recruitment of female students from overseas (the proportion of UK-domiciled Master's graduates who are female fell from 34% to 33%).

Facts: Maths section (c'ed)

- ▷ – Years: 2011 to 2014:
The proportion of Doctorate mathematical sciences graduates who are female rised from 30% to 33%
- Years: 2014 to 2017:
The proportion of Doctorate mathematical sciences graduates who are female fell to 26%
- ▷ Years: 2011 to 2017:
The proportion of lecturers and senior lecturers in mathematics who are female has remained constant at 23%
- ▷ Years: 2012 to present:
23% of researchers in the mathematics are female (it was 21% in 2011)
- ▷ Years: 2011 to present:
Today 11% of professors in mathematics are female in 2016/17, compared with 7% in 2011.

Facts: Statistics section/RSS

▷ Memberships:

- balanced in the younger age groups (≥ 40);
- rather unbalanced in the older age groups (≥ 40)

▷ Guy medals:

- 6 women won bronze (since 1936),
- 4 women won silver (since 1893)
- **none** gold (since 1892).

Women in Data Science and Statistics SIG

▷ **Background**

The Women in Data Science and Statistics special interest group (SIG) was established in 2019. The group aims to bring together women studying and working in the field of statistics and data science.

▷ **Remit**

The SIG will aim to:

- increase the visibility of women in statistics and data science careers
- advocate for opportunities for women in statistics and data science
- support women in the fields of statistics and data science
- share experiences to advocate for women.

Women in Data Science and Statistics SIG (c'ed)

▷ **Officers:**

Chair: Sofia Olhede

Secretary: Maria Skoularidou

▷ **Committee members:**

Suzanne Fox

Eugenie Hunsicker

Xenia Miscouridou

Jo Morrison

Tereza Neocleous

Konstantina Palla

Lauren Rodgers

Carola-Bibiane Schönlieb

Christl Donnelly (Council representative)

Thank you!