

Oberwolfach Workshop:

Algebraic Statistics

Dates: 16 April - 22 April 2017 (ID: 1716)

Organizers: Mathias Drton, Seattle
Thomas Kahle, Magdeburg
Bernd Sturmfels, Berkeley
Caroline Uhler, Cambridge MA

Abstract:

The field of algebraic statistics is concerned with the interplay of techniques from commutative algebra, combinatorics, (real) algebraic geometry, and related fields with problems arising in data analysis. Since its inception in the late 1990s, it has brought forward both new results in statistics as well as challenging research directions in pure mathematics.

Roughly 10 years after the Oberwolfach Seminar on Algebraic Statistics (run by Mathias Drton, Bernd Sturmfels, and Seth Sullivant in 2008), the workshop will highlight recent achievements in this field, explore exciting new applications, and map out the future.