Astrostatistics Interest Group

Interest Group for Astrostatistics at the American Statistical Association
https://community.amstat.org/astrostats/home

Chair: **Vinay Kashyap**
Program Chair: **Gwen Eadie**
Secretary: **Bo Ning**
Past Chair: **Chad Schafer**
Chair Elect: Peter Freeman
Program Chair Elect: Sara Algeri

The goals are to highlight the contributions of astrostatistical methods to statistics, introduce statisticians to astronomical data, and foster consultations and collaborations between astronomers and statisticians

No need to be an ASA member in order to join: fill out the form at https://goo.gl/forms/ampXoadvUe9R9yLP2

There will be four (maybe more) Astrostatistics sessions at the next Joint Statistics Meeting at Philadelphia, 2020 Aug 1-6

Statistical Inference for Solar and Geophysical Data	Innovations in Astrostatistics on Exploring Large Public Data	Astronomical(ly) Big Data for Statisticians	Astrostatistics Interest Group: Student Paper Award
Mon Aug 3	Tue Aug 4	Thu Aug 6	TBD
Alan Chave (geomagnetism), David Riegert (geomagnetism), Yang Chen (flares), Xixi Yu (atomic data uncertainties)	Sara Algeri (background models), David Jones (planet host activity), Sujit Ghosh (exoplanets), **Bo Ning** (planet host activity)	**Peter Williams** (astro data) Kathy Reeves (solar data), Xavier Luna (Gaia), Kristin Madsen (X-ray data), Xiao-Li Meng (connections)	5 finalists from ongoing paper competition, to be announced by mid-February

We are also planning to have an ***Ask-an-Astronomer*** *Table* at the JSM,
just like the ***Ask-a-Statistician*** *Table* here (Chandra Booth, Exhibit Hall)
Let me know if you want to participate

ASK A STATISTICIAN

Chandra Booth, CfA Street, Exhibit Hall Afternoons

Chat with expert statisticians and astrostatisticians about astronomical data and analysis challenges. See schedule and topic availability below.

Sign up at

http://hea-www.harvard.edu/AstroStat/aas235/ask.html

Sun Jan 5 1:30-3pm	Chad Schafer (CMU) Herman Marshall (MIT)	Statistical inference, Approximate Bayesian Computation, Deep Learning, Machine Learning, non-parametrics, Bayesian parametrics, calibration and systematics
Mon Jan 6 1:30-3pm	Bo Ning (Yale) Gwen Eadie (Toronto)	Bayesian analysis, Bayesian inference, exoplanet detectability, high-dimensional and non-parametric methods
Tue Jan 7 3:30-5:30pm	Katy McKeough (Harvard) Rafael Martinez-Galarza (CfA)	Outlier detection, supervised classification (neural nets, random forests), hierarchical Bayes, Gaussian Linear Models, deconvolution, Ising models
Wed Jan 8 1:30-3pm	Herman Marshall (MIT) Rafael Martinez-Galarza (CfA) et al.	MCMC, source detection, Type I & II errors, upper limits, Bayesian analysis, calibration and systematics, classification, outliers