

Workshop on Astrostatistics

Monday 7 October 2024 - Wednesday 9 October 2024

Osservatorio Astrofisico di Catania

Scientific Programme

7 Oct

09:30-10:00 Welcome and organization
10:00-11:00 Why astrostatistics?
11:00-12:00 Introduction to R
14:30-15:30 Nonparametric statistics
15:30-17:00 Nonparametric density estimation

8 Oct

09:30-12:00 Statistical inference and regression
14:30-15:30 Bayesian inference
15:30-17:00 Clustering & classification

9 Oct

09:30-10:30 Clustering & classification
10:30-12:00 Time series analysis
14:30-15:30 Research: AutoRegressive Planet Search
15:30-16:30 Best statistical practices for astronomy
16:30-17:00 Discussion: Statistical methodology in astronomical research