

Lecture Schedule

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| Mon 2 Jul 07 | 09:30 | <i>Inaugural and Welcome</i> | P. Anbazhagan/ Prajval Shastri |
| Mon 2 Jul 07 | 09:45 | <i>Introduction & Historical Remarks</i> | Sabyasachi Chatterjee |
| Mon 2 Jul 07 | 10:00 | <i>Challenges of Modern Empirical Astrophysics</i> | Prajval Shastri |
| Mon 2 Jul 07 | 10:30 | <i>Overview of Astrostatistics</i> | Eric Feigelson |
| Mon 2 Jul 07 | 11:15 | <i>Tea</i> | |
| Mon 2 Jul 07 | 11:30 | Lab <i>Descriptive Statistics</i> | David Hunter |
| Mon 2 Jul 07 | 13:30 | <i>Lunch</i> | |
| Mon 2 Jul 07 | 15:00 | <i>Laws of probability, Bayes' Theorem & the Central Limit Theorem I</i> | Rajeeva Karandikar |
| Mon 2 Jul 07 | 16:00 | <i>Tea</i> | |
| Mon 2 Jul 07 | 16:15 | <i>Laws of Probability, Bayes' Theorem & the Central Limit Theorem II</i> | Rajeeva Karandikar |
| Mon 2 Jul 07 | 17:15 | <i>Linear Regression Issues in Astronomy</i> | Eric Feigelson |
| Mon 2 Jul 07 | 17:45 | <i>End of the Day's Lectures</i> | |
| Tue 3 Jul 07 | 09:30 | <i>Correlation & Regression</i> | Rajeeva Karandikar |
| Tue 3 Jul 07 | 11:00 | <i>Tea</i> | |
| Tue 3 Jul 07 | 11:15 | Lab <i>Exploratory Data Analysis & Regression</i> | David Hunter |
| Tue 3 Jul 07 | 13:15 | <i>Regression</i> | |
| Tue 3 Jul 07 | 14:30 | <i>Estimation, Confidence Intervals and Tests of Hypotheses</i> | Arup Bose |
| Tue 3 Jul 07 | 16:00 | <i>Tea (longish)</i> | |
| Tue 3 Jul 07 | 16:30 | <i>MLEs, Cramer-Rao Inequality & Bayesian Information Criterion</i> | Arup Bose |
| Tue 3 Jul 07 | 18:00 | <i>EM Algorithm</i> | Thriyambakam Krishnan |
| Tue 3 Jul 07 | 19:00 | <i>End of the Day's Lectures</i> | |
| Wed 4 Jul 07 | 09:30 | <i>Bayesian Analysis I</i> | Mohan Delampady |
| Wed 4 Jul 07 | 11:00 | <i>Tea</i> | |
| Wed 4 Jul 07 | 11:30 | <i>Bayesian Analysis II</i> | Mohan Delampady |
| Wed 4 Jul 07 | 12:30 | <i>End of the Day's Lectures</i> | |
| Wed 4 Jul 07 | 12:45 | <i>Lunch</i> | |
| Wed 4 Jul 07 | 14:30 | <i>Outing to Bhima Falls</i> | |
| Thu 5 Jul 07 | 09:30 | <i>Non-parametric Statistics</i> | Sushama Bendre |
| Thu 5 Jul 07 | 10:45 | <i>Tea & Tour of Telescope</i> | |
| Thu 5 Jul 07 | 11:45 | Lab <i>Non-parametric Statistics</i> | David Hunter |
| Thu 5 Jul 07 | 13:15 | <i>Lunch</i> | |
| Thu 5 Jul 07 | 14:45 | <i>Model Selection and Evaluation, Goodness-of-fit Tests and Likelihood Ratio Tests</i> | Mohan Delampady |
| Thu 5 Jul 07 | 16:15 | <i>Tea</i> | |

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| Thu 5 Jul 07 | 16:45 | Lab | Likelihood Computations | David Hunter |
| Thu 5 Jul 07 | 18:15 | | End of the Day's Lectures | |
| Thu 5 Jul 07 | 21:00 | | Night-sky Watching | |
| Fri 6 Jul 07 | 09:30 | | Resampling Methods, Astronomy Applications of Goodness of Fit | Jogesh Babu |
| Fri 6 Jul 07 | 11:00 | | Tea | |
| Fri 6 Jul 07 | 11:15 | Lab | Hypothesis Testing and Bootstrapping | David Hunter |
| Fri 6 Jul 07 | 13:15 | | Lunch | |
| Fri 6 Jul 07 | 14:45 | | Multivariate Analysis | Thriyambakam Krishnan |
| Fri 6 Jul 07 | 16:15 | | Tea | |
| Fri 6 Jul 07 | 16:45 | | Cluster Analysis | Thriyambakam Krishnan |
| Fri 6 Jul 07 | 18:15 | | End of the Day's Lectures | |
| Sat 7 Jul 07 | 09:00 | Lab | Multivariate Computations | David Hunter |
| Sat 7 Jul 07 | 11:00 | | Tea | |
| Sat 7 Jul 07 | 11:15 | Lab | MCMC | David Hunter |
| Sat 7 Jul 07 | 13:00 | | Lunch & End of the School | |