

Statistics Group Meeting

Status report

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Current Participation in TMVA

- Bringing **Unit Testing** into TMVA
- In contact with Eckhard von Toerne
- Several options for testing frameworks
chosen option: simple test environment
- Two classes: `UnitTest` and `UnitTestSuite`
(based on code by Bruce Eckel)
- Currently building two tests:
`TMVA::Event` and **`TMVA::DataSet`**
(both not straightforward classes)
- Review will show if it's taken/iterated

- Working on methods, focusing on Neural Networks
- Several parts missing/missed (by me):
 - Automated net creation (fixed layout)
 - Automation of performance tests
 - So far only *classification*, no *regression*
 - Learning algorithm is not very sophisticated
- More general: Data handling can be optimized (IMO)
(Note: please be aware that I'm still starting out in TMVA)

- Ongoing lecture/seminar on statistics in my group (FLC)
- Lecture style, combined with exercises
- In addition: computer exercises
- So far covered basics from distributions up to parameter transformations and parameter estimation
- Will continue with higher level methods (like classification/regression)

Possibly a test run for the *inverted* informal statistics questions meeting