Fondamenti di 🎓💰 9 CFU
Analisi dei Dati
from **data analysis** to **predictive techniques**

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Corso di Studi in Informatica
Dip. di Matematica e Informatica
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Data Analysis
Understanding your data

- Description & Visualization
- Correlation Analysis
- Linear & Logistic Regression
- Statistical Tests

Predictive Techniques
Using data to make predictions

- Classification & Regression
- Overfitting & Regularization
- Evaluation Measures
- Model Selection

Data Representation
Revealing structure in the data

- Data Representation & Feature Extraction
- Clustering & Density Estimation
- Dimensionality Reduction
- Data Interpretation

Skills You Will Learn
Theoretical and practical data analysis skills

- Python for Data Science
- Data Acquisition & Management
- Data Cleaning & Preprocessing
- Exploratory Data Analysis
- Data Visualization
- Predictive Modeling

Career Paths
After attending also other ML-based courses

- Data Analyst
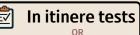- Business Intelligence (BI) Analyst
- Data Scientist
- Research Scientist
- Analytics Consultant
- Machine Learning Engineer

Theory (6 CFU)   **Laboratory (3 CFU)**

EXAMS

- In itinere tests
OR
- Written exam

- Data analysis challenge
OR
- Data analysis project

Info & Notes

open source on github