



Project real-case studies and datasets

for students of the courses (academic year 2024/25)

STATISTICAL LAB FOR INDUSTRIAL DATA ANALYSIS (9 CFU)

Prof. Antonio Lepore

Master's degree

INGEGNERIA GESTIONALE

INGEGNERIA AEROSPAZIALE

TRANSPORTATION ENGINEERING AND MOBILITY

STATISTICAL LEARNING FOR INDUSTRIAL ENGINEERING (6 CFU)

Prof. Antonio Lepore

STATISTICA PER LA TECNOLOGIA (6 CFU)

Prof. Biagio Palumbo

Master's degree

INGEGNERIA MECCANICA PER LA PROGETTAZIONE E LA PRODUZIONE

curriculum: Advanced and Smart Manufacturing

STATISTICAL METHODS FOR INDUSTRIAL PROCESS MONITORING (6 CFU)

Prof. Christian Capezza

Master's degree

MATHEMATICAL ENGINEERING

DATA SCIENCE

COLLEGIO
DEGLI STUDI DI
INGEGNERIA

COLLEGIO
DEGLI STUDI DI
SCIENZE

Friday 31 January 2025 Room PT-II-E (P.le V. Tecchio, 80)

8:40 – 9:00 Technical opening

9:00 – 9:20 Opening notes

Proff. B. Palumbo, A. Lepore, C. Capezza

chair: Fabio Susanna

MSc student in Ingegneria Aerospaziale

9:20 – 9:40 **Ship Energy Efficiency (team 1)**

Ing. D. Bocchetti, Ing. E. Visone

Energy Saving Department, Grimaldi Group

9:45 – 10:05 **Resistance Spot Welding (team 5)**

10:10 – 10:30 **Foam Additive Manufacturing (team 10)**

Prof. M. Villone

DICMaPI, Univ. degli Studi di Napoli Federico II

10:30 – 11:00 Coffee break

chair: Alberto Giustino

MSc student in Ingegneria Gestionale

11:00 – 11:20 **Pozzuoli Bradyseism**

INGV real-time data (team 7)

11:25 – 11:45 **Network Centrality**

to Fight Fake News (team 4)

Prof.ssa S. Primario, Ing. V. Maione

DII, Univ. degli Studi di Napoli Federico II

11:50 – 12:10 **Innovation Performances**

in Academic Startups (team 6)

Prof. P. Rippa, Ing. C. Passavanti

DII, Univ. degli Studi di Napoli Federico II

12:15 – 12:35 **Hitachi batteries (team 2)**

12:40 – 13:00 **Hitachi batteries (team 9)**

Ing. G. Cesaro, G. Sposito

Maintenance and Systems, Hitachi Rail STS

13:00– 14:30 Lunch break

chair: Gaia Riza

MSc student in Mathematical Engineering

14:30– 14:50 **Tactical Military Aircraft (team 3)**

Prof. F. Nicolosi,

Ing. G. Morra, Ing. C. Mirabella,

DII, Univ. degli Studi di Napoli Federico II

14:55– 15:15 **Resistance Spot Welding**

in the Automotive Industry (team 13)

15:20 – 15:40 **Cyprus Energy Market (team 12)**

15:40– 16:10 Coffee break

chair: Ehsan Seyedabadi

MSc student in Transportation Engineering and Mobility

16:10– 16:30 **Daily Traffic Management (team 11)**

16:35– 16:55 **Daily Traffic Management (team 14)**

prof. L. Pariota

DICEA, Univ. degli Studi di Napoli Federico II

16:55– 17:15 Peer grading form submission

17:15– 17:30 Closing notes and group photo