Luca Elisei

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🖥 www.lucaels.com   •   Place and date of birth: Spoleto, 27/03/1983

Current Position

Program Manager | Data Analyst   **Rome**

Consorzio ELIS , Via Sandro Sandri, 81 – 00159 – Rome, ITALY   *2018–current*

Coordinating and prioritising of resources across projects, managing links between the projects and the overall costs and risks of the program. Key activities:

○ Business Analytics
○ Data Analysis
○ Machine learning, Data Mining
○ Python, R; MySql; Power BI
○ Data Visualisation
○ Management
○ Finances
○ Planning and control
○ Cost management

Main projects...

1. Wind Turbine Blade Real-Time Stress Index [**Enel Green Power (EGP)**].
   By through real time measures' blade stress scores, the project's aim is to estimate the relationship between technical life and the use of production capacity, in order to maximise the economic life cycle (life cycle costing). Prototype: to obtain real-time blades' deformation and tension by means of sensors (strain gauges, motion sensors, microphones and accelerometers); Data visualization (Dashboard): Integrated control systems to wind turbines' monitoring; Data Analytics: algorithm able to estimate blade life cycle.

2. Smart Maintenance (with **Simav S.p.A. & Alleantia S.r.l.**).
   The project' aim is to design and setting a machine's maintenance monitoring systems. The new technology is able to connect on singles productions machinery, providing real data in cloud and a dashboard to monitoring process. The final step-project is to develop a predictive maintenance process by throw data science approach.

3. Health monitoring system for railways applications based on fiber optic sensors (with **Alstom S.p.A. & Infibra technologies S.r.l.**).
   The co-innovations project has the objective to develop a Fiber technology (FBG) systems to train's anomaly detections. In first step Team Project deal preliminary feasibility test of fiber optic sensing technology in railways environments. Also, extended test are planned, involving real train. The final step is to develop a monitoring systems according to specific railways'need.

4. Balance scorcard (**Bolton Group**).
   Define a balance scorecard by departement to be shared offline as a pre-reading to incorporate defined objectives that contributes to corporate' common mission. Also, the project involve a specific software design.

Education

Ph.D. in Business Economics **Perugia**
University of Perugia, Department of Economics *2014–2018*

Master's Degree in Economics and Business Management **Perugia**
University of Perugia, 110/110 summa cum laude *April 2013*

Bachelor Degree in Business Economics **Perugia**
University of Perugia, *July 2010*

Academic Activities

Ph.D and Data Scientist

My research interests include Management Control and Accounting Systems, business intelligence and analytics, efficiency measurement (DEA and stochastic frontier analysis). The research activities involve a extensive use of data science approach.

Workshop - presentations

1. SIDREA, International Workshop (SIW): Management Control and Strategy. Theory and Empirical Evidence, Perugia, Italy, 2015
2. EIASM, 9th Conference on Performance Measurement and Management Control, Nice, France, 2017

Teaching

1. Teaching of Performances Measurement, Management Accounting–professional course, TUCEP | Assisi (Perugia), Italy, 2014
2. Teaching Assistant and Tutor of Management Accounting, Bachelor Degree | Department of Economics, University of Perugia (2014–Current)
3. Member of the Examining Board of Management Accounting, Bachelor Degree | Department of Economics, University of Perugia (2014–Current)

Visiting P.h.D

Aalto University **Helsinki, Finland**
6 month Visiting PhD, Department of Business Economics *2016*
Description

Publications

1. MCS Configurations and Efficiency in Mechanical Engineering Firms: An empirical evidence based on stochastic frontier analysis (with T. Malmi, F. Santini), conference paper, "9th Conference on Performance Measurement and Management Control", 2017 (ISSN:2295-1660)
2. Il business planning nelle web companies. modelli di business e previsioni dei flussi finanziari (whit F. Santini), in "Controllo di gestione", 2017, IPSOA, Milano
3. Le camere di commercio italiane: le determinanti della remunerazione degli organi di governance (Ferrucci, Gigliotti, Chionne, Cutini, Elisei, Lavoratori, Natalizi, Soscia), Azienda Pubblica, 2016
4. Esiste un'alternativa all'attuale modelli dei costi standard nel settore pubblico? Alcune riflessioni in ottica aziendalistica (with F. Santini), Working Paper n. 21, December 2015, ISSN 2385-2275
5. Management-control-system configurations in medium-sized machine-engineering firms: An exploratory analysis (whit F. Santini, T.Malmi, L.Scrucca), Working Paper
6. (L.Elisei, 2017), Business Intelligence and analytics (BIA) as advanced Management Control

Systems for the enhancement of firms' technical efficiency, Working Paper

Professional Activities

Business Analyst   **Perugia**

Gepafin S.p.a.   *2013–2015*

Via Campo di Marte 06124, Perugia, Italy
Detailed achievements:
- Data Analysis;
- Management Accounting:
  - Costs Analysis;
  - Budget;
  - Capital Budgeting;
- Business Valuation

Accountant and Auditor   **Perugia**

Chartered Accounting Firm   *2012-2014*

Kay Activities

- Accounting;
- Taxation; Audit;
- Balance Sheet.

Project Management   **NCM S.p.A.**

ERP implementation   *2014*

Description

- Full costs analysis;
- Identification of a key resource for each structure
- Process analysis and optimization
- KPI implementations

Project Management   **ARPA Umbria**

Time-driven Activity Based Costing TABC   *2014*

Description

- Full costs analysis;
- Identification of a key resource for each structure
- Process analysis and optimization
- KPI implementations

Project Management   **GEPAFIN S.p.A.**

Business Models design   *2016*

Description

- Performances measurement systems' design;
- Project investment's assess model
- Business evaluations models' design (Small and Medium Size Enterprises)
- KPI implementations
- dashboard and visualisations' design

Languages

English: Skill level   *B2*

Franch: Skill level   *A2*

Italian: Skill level   *Mothertongue*

Main skills

Programming: R, Stata, Python, MySql

Computer Skills: Excel, Word, PowerPoint, LaTeX , Access, Apple, Linux, Markdown, R Markdown, Microsoft Office suite, OpenOffice

Quantitative Skills: Work with large complex data sets, research and develop analysis, forecasting, and optimization methods, strong machine learning –programming – data mining and statistics background, Technical efficiency Analysis (Stochastic frontier analysis (SFA), Data Envelopment Analysis (DEA))

Databases Skills : Aida, amadeus, Datastream

Management Skills: Management control, budget, costs analysis, performances measurement, business evaluation, market analysis, project management

Interests

hobby 1: Science

hobby 2: Sport

hobby 3: Cinema

hobby 4: Art