

LAURA ROSSI

Assistant Manager - Actuarial Modelling Centre

E: laura.a.rossi.r@gmail.com

P: 087 600 2196

A: Dublin

LinkedIn: <https://www.linkedin.com/in/laura-agustina-rossi/>

WWW: <https://lauraarossi.com/>

PROFESSIONAL SUMMARY

Laura is an Assistant Manager in Deloitte's Actuarial Modelling Centre (AMC), based in Dublin, with ample experience in actuarial modelling and methodology reviews across the life and general (re)insurance industries. She has contributed and/or lead modelling and validation efforts for projects spanning technology transformations, peer reviews, and actuarial audits, among others. Laura is a Fellow of the IFoA and SAI, chair of the SAI Recent Qualifiers Committee and member of the SAI Data Science Committee.

WORK HISTORY

Deloitte IE - Assistant Manager

Dublin, Ireland • 09/2024 - Current

- Developed reserving and capital models, applying thorough version control, writing thorough model documentation and ensuring alignment with industry best practice.
- Communicated methodologies and results to a variety of audiences, including non-technical and non-actuarial stakeholders.
- Lead the development of assumptions management, data transformation and reporting systems for a variety of large insurance clients in the EU and UK.
- Established modelling, automated testing and documentation standards for the Irish Actuarial team.
- Experience with Monte Carlo simulation, copulae, loss functions, and machine learning algorithms (kmeans, kernel smoothing, GLMs, penalised regressions, etc).
- Mentored junior actuaries in the development of their technical and professional skills, fostering collaboration and open communication.

Deloitte IE - Consultant - Actuarial Modelling Center

Dublin, Ireland • 09/2022 - 08/2024

- Supported multiple actuarial non-life audits through process walkthroughs, result and documentation reviews, model replications, and communication of results to both actuarial and non-actuarial stakeholders.
- Conducted key model validation and data analysis work for technical audits, testing the accuracy of client's reported results.

EDUCATION

Institute And Faculty of Actuaries

London, UK • 04/2022 - 12/2024

Fully Qualified Actuary

Fellowship exams selected: SP7, SP8, SA3

Purdue University

West Lafayette, IN • 01/2020 - 05/2021

Graduate Certificate: Applied Statistics

- Coursework included probability theory, statistical inference, design of experiments and advanced modelling.

Purdue University

West Lafayette, IN • 08/2019 - 05/2021

MBA: Business Analytics

- President of User Experience (UX) Club and Treasurer of Sustainability Club.
- Coursework included statistics, programming for data analysis, algorithm analysis, economics, accounting and finance.

The University of Chicago

Chicago, IL • 09/2014 - 06/2018

Bachelor of Arts: Political Science

- Dean's List 2nd, 3rd and 4th year and Captain of UChicago Crew (Rowing) Team.
- Coursework included economics, mathematics, statistics, quantitative and qualitative research methods.

SOFTWARE

Python, SQL, R

Advanced

Microsoft Office Suite, including Excel and Access

- Established test validity through statistical inference methods for regulatory and audit compliance.
- Led knowledge transfer sessions on statistical inference, machine learning and modelling best practices.

Deloitte IE - Actuarial Analyst

Dublin, Ireland • 09/2021 - 08/2022

- Supported the audit function by carrying out data quality and consistency checks, documenting model walkthroughs and risk assessments, and carrying out model replications.
- Carried out model validation reviews for insurance client's reserving and pricing models.
- Developed automated solutions to speed up repetitive analysis and reporting tasks.
- Provided actionable insights through comprehensive reports and dashboards.

Purdue University - Graduate Teaching Assistant

West Lafayette, Indiana • 01/2020 - 05/2021

- Led online classes of up to 200 students in Data Communication and Research Ethics, including modules covering design of experiments, statistical analysis, visualisation and communication of results.
- Supported instructor with curriculum and teaching material development.
- Optimized learning plans and quantified student progress through rubric development.
- Mentored students through office hours and one-on-one communication.

JBS - Corporate Intern

Greeley, Colorado • 06/2020 - 08/2020

- Internship held during the summer of my 2-year Business Analytics and Information Management MBA programme.
- Drove operational improvements in payments systems and fuel purchasing decisions which resulted in over \$80 million savings per year
- Developed a road map to convert accounts payable from cost center to profit center.

TruQua Enterprises - Consultant

Chicago, Illinois • 08/2018 - 07/2019

- Responsible for key components of a \$775mil Consumer Good clients SAP FICO and HANA implementation.
- Supported clients with business analysis, documentation and data modeling.
- Modified existing SAP database queries to meet unique needs and goals determined during initial evaluation and planning process.
- Tested programs and databases to identify issues and make necessary modifications.
- Designed and developed Machine Learning Model proof of concept products using Python.

Advanced

VBA and Macro Development



Advanced

Microsoft Azure Solutions (DevOps, DataBricks, Blob, ML, others)



Very Good

Tyche, Prophet, PowerShell



Good

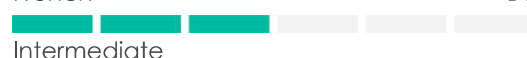
| LANGUAGES

Spanish C2



Proficient

French B1



Intermediate

Arabic A2



Elementary

Japanese



Elementary

| SKILLS

Statistical modeling

Monte Carlo simulation

Model development

Documentation

Probability theory

Professional ethics

Effective communication

Data visualization

Attention to detail

Project management