

## **Brief individual report on European Educational Programme in Epidemiology, Florence 2019.**

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I attended the 32<sup>nd</sup> Residential Summer Course in Epidemiology, in Florence Italy from the 17<sup>th</sup> June to the 5<sup>th</sup> of July.

The first week of the course covered general modules in epidemiology and biostatistics and we were introduced to advances in epidemiology. Of particular interest to me was the concept of DAGS in casual thinking, and we had the opportunity to draw DAGS during data analysis workshops. We were also trained on the new way to see significance tests, and interpret P values. We were discouraged from saying “statistically significant” and encouraged to use language of “strong or weak evidence against the null”.

The second week of the course looked at regression models in particular Logistic regression, Poisson regression, and Cox regression. We also had a lecture on meta-analysis, and revisited various study designs. We used Stata throughout the course.

In the third week we looked at advanced methods in statistics and biostatistics. In advanced statistics we looked at competing risks, recurrent events and longitudinal data, cohort sampling, propensity score and casual modeling. In advanced epidemiology, we learned missing data and multiple imputation, and instrumental variable analysis.

We also had the opportunity to network with so many advanced researchers, and colleagues from around the world. In addition, I enjoyed visiting the beautiful city of Florence, and the incredible scenery.

