

OPEN POSITIONS

- 1. DATA ANALYST:** for details see page 2
- 2. RESEARCHER:** for details see page 5

DATA ANALYST

Transcrime, the Joint Research Centre on Transnational Crime of the Università Cattolica del Sacro Cuore of Milan, is looking for a data analyst.

The ideal candidate is expected to have:

- A Master degree or a PhD in Economics, Finance or Statistics
- A very good and documented knowledge of quantitative research methods
- A professional knowledge of Ms. Office including Word, Excel and Power Point.
- A strong familiarity with the most common software for statistical analysis (e.g., Stata, R)
- Basic knowledge of databases of business information (e.g. Bureau van Dijk Orbis, Thomson Reuters, etc) is a plus
- Excellent knowledge of both oral and written English. The knowledge of additional languages is a plus.
- Proficiency in elaboration and drafting of scientific reports
- Strong propensity to applied research

The ideal candidate should be available to start as soon as possible.

Salary will be according to experience and skills.

The successful candidate will work full time at Transcrime office in Milan (Via San Vittore 43).

Interested candidates are requested to apply by sending an e-mail to transcrime@unicatt.it and attaching:

- A CV (in English)
- A motivation letter (in English) stressing the reasons why they should be selected for the job
- The answers to the recruitment tests A and B (see next pages)

Short-listed candidates will be contacted for an interview in English, while applications without all the requirements and attachments described above will be rejected.

TEST A

Download from the following link the data about crime registered in the city of Chicago during 2018

<https://data.cityofchicago.org/Public-Safety/Crimes-2018/3i3m-jwuy>

Using the dataset, please:

1. Provide the number and the percentage of crimes by crime primary type
2. Sort the types of crimes according to the probability of arrest (decreasing order)
3. Estimate the effect of the type of crime (consider the categories assaults, homicides, burglaries and others) on the probability of arrest.
4. Sort the wards according to the average number of property crimes (decreasing order)
5. Test if the average probability of arrest registered in Ward 4 is statistically different from the one registered in Ward 41.
6. Assume you have to sort the wards in Chicago according to their crime risk:
 - a) Explain how you would create one (or more) composite indicator to compute the crime risk score starting from the provided data. Provide details about the methodological and theoretical basis that guide your choices (max 1500 characters)
 - b) Apply one (or more) composite indicator to the dataset and rank the wards on the basis of the computed risk score.

Responses should include all the necessary information and, if necessary, proper visual representations.

TEST B

Draft a project proposal following the structure included below. The proposal should give readers a clear idea of what the project is about, and it should not merely provide lists of objectives, activities, beneficiaries and outputs.

The candidate has a free choice of the subject of the proposal providing that it should be consistent with the research agenda of Transcrime (www.transcrime.it)

The proposal should not overcome 3,000 characters (including spaces).

Structure of the Project Proposal

- 1. TITLE**
- 2. AIM**
- 3. EXPECTED IMPACT**
- 4. OUTCOMES**
- 5. OUTPUTS**
- 6. ACTIVITIES**
- 7. BENEFICIARIES**

RESEARCHER

Transcrime, the Joint Research Centre on Transnational Crime of the Università Cattolica del Sacro Cuore of Milan, is looking for a researcher.

The ideal candidate is expected to have:

- A Master degree or a PhD in Law, Criminal justice, International Law, Public Policy or related fields
- A strong knowledge of comparative criminal law, comparative criminal justice, EU law, and criminology
- Experience in drafting legal, policy and comparative documents.
- A professional knowledge of Ms. Office including Word, Excel and Power Point.
- Excellent spoken and written English. The knowledge of additional languages is a plus.
- Strong propensity to applied and comparative research

The ideal candidate should be available to start as soon as possible.

Salary will be according to experience and skills.

The successful candidate will work full time at Transcrime office in Milan (Via San Vittore 43).

Interested candidates are requested to apply by sending an e-mail to transcrime@unicatt.it and attaching:

- A CV (in English)
- A motivation letter (in English) stressing the reasons why they should be selected for the job
- The answers to the recruitment test (see next page)

Short-listed candidates will be contacted for an interview in English, while applications without all the requirements described above will be rejected.

TEST

Draft a project proposal following the structure included below.

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