**JOB DESCRIPTION**

Job Title : post-doc project
**RAPPEUR (RAPports à l'Europe et au Parlement EURopéen) : quantitative analysis of the engagement of members of the European Parliament**

Job Summary :

The post-doc will contribute to the RAPPEUR project, which aims at revisiting and completing the classic studies of political engagement at the European level by taking advantage of the now accessible large bodies of digital data. The goal is to analyze, both comparatively and diachronically, the different ways of being a member of the European Parliament, and to capture the variegated uses of this office.
The post-doc must have a solid expertise in quantitative methods, and master various statistical techniques (inferential methods, data exploration, sequence analysis, network analysis). Experience in programming is also required.
The post-doc must also have a good knowledge of political sociology and legislative studies (on the European Parliament in particular), and experience in sociological investigation.
Finally, the post-doc must have a perfect mastering of the English language.

Job Description :

The post-doc will be embedded in a research team. He/she will take part in collective work with multiple researchers. The mission relies on expert knowledge of digital methods (automated data collection), statistical methods (inference, data exploration, sequence analysis, network analysis) and political sociology (knowledge of parliaments and particularly the European Parliament).

The bulk of the mission will consist in three tasks.

The first is to collect data on MEPs, their profiles, their career trajectories and their practices. The post-doc will build an automated tool to collect the data on practices of MEPs. He/she will also collect their profiles, both for positional (diploma, occupation, offices in the party) and dynamic information (longevity in the various positions).

The second is to produce a detailed analysis of the collected data, in order to identify the types of MEPs. The goal is to combine classical methods of clustering and dimensionality reduction (hierarchical methods, geometric data analysis) with newer methods (network analysis, density trees, auto-encoders).

The third consists in comparing the obtained types with a series of other data (sociological profile, political career trajectory, voting systems), using both classic statistical techniques (inferential methods) and more flexible forms of modelisation (random forests, deep belief networks).

Research lab: SAGE
Group leader: Marine de Lassalle
Supervisor: Sébastien Michon

Main research field :

Political sciences / Sociology / Other: digital and quantitative methods

**JOB DETAIL**

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| Type of contract : Temporary |
| Status : Full-time |
| Company / Institute : Université de Strasbourg |
| Country : France |
| City : Strasbourg |
| Postal Code : 67000 |
| Street : 4 rue Blaise Pascal |

**APPLICATION DETAILS (mandatory)**

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| Envisaged job starting date : 01/06/2016 |
| Application deadline : 30/11/2017 |
| Application e-mail : marine.delassalle@misha.fr; sebastien.michon@misha.fr; etienne.ollion@gmail.com |