**Assignment no. : 1**

**Research orientation of various psychological institutions**

**Submitted to:**

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**(2nd semester)**

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|**Research Orientation**

Research in cognition and cognitive neuroscience includes studies of attention, awareness and consciousness, cognitive control and frontal cortex function, learning and memory, working memory, language comprehension and reading, problem solving, reasoning, and music cognition. Faculty members use diverse methods, including psychophysical, behavioral, electrophysiological (EEG/ERP), neuropsychological (patient studies), eye-tracking, transcranial magnetic stimulation (TMS) and neuroimaging (fMRI).

**Psychology Research Institute**

This website provides information about the research groups participating in the Institute, publications, our PhD programmed and the organization of the Institute.

**Research in Psychology**

The Psychology Research Institute has six programmed groups on a wide variety of topics, but sharing an overall orientation towards basic, quantitative and experimental research.

**Experts in Psychology**

Our researchers are experts in Brain & Cognition; Clinical Psychology; Developmental Psychology; Psychological Methods; Social Psychology; and Work and Organizational Psychology. Interested in doing a PhD program in Psychology at the University of Amsterdam.

**Research Lab**

For our research we use our lab facilities and advanced equipment, like a sleep lab, baby lab, fMRI brain scanner and virtual reality lab.

# UvA data scientists volunteer their expertise

A great deal of research and data will be required to bring the Covid-19 pandemic to a halt and solve the problems it has caused. UvA scientists are now volunteering to help conduct statistical data analysis for research having to do with Covid-19.

The Psychological Methods program me group at the University of Amsterdam has launched an initiative called Data scientists Against Corona. This initiative aims to provide data scientists with an opportunity to make their skills available for the benefit of research geared toward either stopping the pandemic's spread or solving the problems it leaves in its wake.

'Without data, society is flying blind. And when society is blind, it's unable to take prudent action. As data scientists, our mission is to volunteer our skills to help society in its battle against the coronavirus, by improving its observations of the world', say initiators Denny Borsboom, Tessa Blacken, Charlotte Tanis and Fabian Dab lander.

# Eight PhD projects at Centre for Urban Mental Health to begin

Eight PhD candidates will start this spring with interdisciplinary research at the Centre for Urban Mental Health at the UvA. In their projects, they will focus on psychological problems and conditions - such as depression, anxiety and addiction - among individuals and (vulnerable) groups in the city. Complexity science will form the basis of all of their reseal.

### ****All projects****

* ***Lotte Brinkhof****:*Active and Healthy Aging: Promoting Preventive Interventions Based on Resilience Network Analysis
* ***Maarten van den Ende:*** Computational Modeling of Psychological and Social Dynamics in Urban Mental Health Conditions: The Case of Addictive Substance Use
* ***Karoline Huth:*** Urban Networks of Addiction and Depression
* ***Amber Koert****:* Working Out Urban Stress
* ***Alessandra*** *Mansueto:*Modeling Symptom Networks Using Ecological Momentary **Assessment:** From Network Analysis to Interventions
* ***Priya Peters****:*Understanding Affective and Addictive Disorders in Adolescents with an Urban Background Using a Life-Course Complex Systems Approach
* *Junus van der Wal:*Unraveling the Dynamics of Depression in High-Risk Urban Populations Using a Complex Systems Approach

Recruitment is ongoing for the eighth project, titled Understanding and Targeting Microbial Patterns among Adolescents with Depression: Using a Complex Systems Approach in an Urban Environment.

Each project will last four years. The projects are equally distributed across the three faculties involved in the Centre for Urban Mental Health: the Faculties of Science, Social & Behavioral Sciences, and Medicine. The candidates will be based at the Centre for Urban Mental Health, the Institute for Advanced Study (IAS) and the faculties related to their specific project.

**References**

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