

Santiago G. Rios | Resume

- » **Status:** Masters degree (Neurobiology and behaviour) at National Autonomous University of Mexico
- » **Work:** Statistics teacher with R in my own plataform orcaasesina.com
- » **Techs:** R, bash, Python, Docker, L^AT_EX
- » **Language:** English (C2), Spanish (Native)

»»» Experience

since 2022	Development of data science techniques	Masters at UNAM, Mexico City
	<ul style="list-style-type: none">» Video Tracking of behaviour and developpe apps to analysis using serverless R» Implementation of statistical tools to enhance cognitive defficits in mice using R	
2021 - 2022	Writing of Science communication papers	University of Manchester
	<ul style="list-style-type: none">» Writing about Science Methodology and mental desease» 4 articles published	
2017 - 2020	Researcher program	Faculty of Medicine, UNAM, Mexico City
	<ul style="list-style-type: none">» Study brain injury and behavioural effects» Results presented at international meeting Neuroscience, 2019 at Chicago, Illinois	
2015	Short Research stay	Neurobiology Institute, UNAM, Mexico City
	<ul style="list-style-type: none">» Research program Younglings to Research» Study Cognition behaviour analysis using optogenetics techniques	
2014	Short Research stay	Cell Physiology Institute, UNAM, Mexico City
	<ul style="list-style-type: none">» Research program Younglings to Research» Study techniques and methods to analyze G-couples proteins	

»»» Education

2022 - 2024	Masters in Science	National Autonomous University of Mexico
	<ul style="list-style-type: none">» Thesis: Characterization of fluoxetine effects on behaviour and spatial learning in a mice model of mild stress» Developed and implemented new methods to assess depressive-like behaviour in cognition using mice using R via WebAssembly in Serverless Computing	
2019 - 2022	Biology	National Autonomous University of Mexico
	<ul style="list-style-type: none">» Thesis: Effects of transcranial magnetic stimulation on the expression of cannabinoid receptors in a rat model of brain injury.» Implementation of laboratory techniques of immunology, genetics and behaviour	