

UNIVERSITÀ DEGLI STUDI DI MILANO Dottorato di Ricerca in Agricoltura, Ambiente e Bioenergia

Power analysis and number of replication in the set-up of an experiment. Prof. Marco Acutis marco.acutis@unimi.it

DATE: April 16 2020, at 14:30. Microsoft Teams virtual classroom

https://teams.microsoft.com/l/channel/19%3aedc34fef0bb34e6e8c013e3122a4fe f5%40thread.tacv2/Generale?groupId=8bda7df4-029a-4daa-b0a1c4f18448793d&tenantId=13b55eef-7018-4674-a3d7-cc0db06d545c PIN: mndyre2

Researchers frequently ask questions like "How many replications do I need to set in my experiment?" or "Why my experiment does not produce significant results, even if treatments means appear different?" **Power analysis** is an instrument that can answer these questions, which needs to be addressed while designing field or laboratory experiments.

This seminar shows the theoretical bases of power analysis and some practical application examples.



Please, download and install the software "**PIFACE**" from <u>http://homepage.divms.uiowa.edu/~rlenth/Power/piface.jar</u>

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