

ISOS Course

Systematic Reviews with Meta-Analysis

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21-23 February 2018 | 09:00 – 17:00 h

Synthesis is a driving force in science. Among data syntheses, systematic reviews in combination with meta-analysis produce a very high quality of evidence. Systematic reviews provide an overview of the literature landscape for a topic, and meta-analyses examine the strength of evidence integrated across different studies.

By the end of this three-day hands-on course, you will be able to design and conduct a systematic review and a meta-analysis as high-impact research tools.

| You will learn how to

Define **inclusion/exclusion criteria**

Search and **extract data from literature databases** using specific tools

Assess **study quality**, types of data and effect sizes

Create **forest plots**

Do statistical tests like **Kappa-Test** and Fixed effect vs Random effect models

Conduct **Bayesian Meta-Analysis**

Assess publication bias via funnel plots

Avoid common pitfalls: **Pros and cons of meta-analysis**

| Software used:



Please note: Knowledge of R is an advantage, but NOT a prerequisite.

Venue: Leibnizstraße 1, room 105a

ISOS candidates have priority in our courses.

Child care can be provided if we have two weeks advance notice.



Please register online at
www.futureocean.org/isos