

An Intensive Training Program on Research Flow Management

Offered by the RM Institute

As a student, you get:

Course notes
R programs
Flows
Exercises & solutions
Datasets for model development, validation and implementation
Certificate of completion
Student version of a research flow management software
Lunches and coffee

Day 1 Morning 9am ~ noon

Introduction to Research Flow Management

- a) definition of research flow and examples
- b) definition of research flow management (RFM) and examples and what you have done in managing research flows informally
- c) drivers for modern RFM: (c1) data & analytics overload, (c2) replication & provenance, (c3) research complexity, (c4) collaboration, (c5) auditing needs, ...
- d) impacts of research flows on research accuracy and efficiency
- e) examples of ignoring RFM
- f) examples of paying attention to RFM

Day 1 Afternoon 1~4pm

An Analysis of Research Flows and RFM

- a) components of research flow (research actions)
- b) cycles of research flow
- c) data manipulation flow
- d) data analysis (predictive modeling) flow
- e) creating executable research flows
- f) reusability of research flow
- g) examples

Day 2 Morning 9am ~ noon

Principles and Best Practice of RFM

- a) criteria of evaluating research flows and examples
- b) accuracy and simplicity
- c) efficiency and automation
- d) records keeping and logfile management
- e) scalability and distributed computing
- f) some best practice examples

Day 2 Afternoon 1~4pm

RFM Tools and RFM Solution

- a) available software tools of managing research flows – special tools and common tools
- b) various methods of representing research flows
- c) the RM approach – flow management, logfile management, and intelligent mapping
- d) RFM example – regression modeling
- e) RFM example – structural equation modeling
- f) RFM example – risk modeling
- g) RM customized solution

[note] The RM Institute can customize the above training programs to fit your special needs. You are welcome to contact the RM Institute at info@researchmethods.org .

Registration/Invoice

Pricing: \$950 per person

For in house group training: please write to info@ResearchMethods.org

To start, please send in the following information:

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