



Workshops

Expand your skillset with engaging teachers
and courses

Our offer

- ◇ Focus on **key competences** for business and career development.
- ◇ Customised courses for both **individuals** and **companies**.
- ◇ **Professional** trainers with years of practical experience.
- ◇ Material suited to **different audiences**.

Public Workshops

We organize [public workshops](#) for various technologies.

Private Workshops

We deliver tailored workshops by customizing content and use cases to your needs.

Mastering Git and GitHub

Version control for collaborative, safe development

Never fear to mess up your code again, to loose your development or to spend endless time to integrate a collaborator's work.

Learn how to systematically store different versions of your code, recover a past status and safely integrate changes. Manage it all from command line, RStudio or a web browser

IS THIS WORKSHOP FOR YOU?

Yes, this workshop is for everyone. Minimal experience with R and RStudio beneficial but not mandatory.

- ◊ Integrating Git, GitHub, R and RStudio
- ◊ Basic Git actions from command line, R and Rstudio.
- ◊ Merging code versions
- ◊ Solving Conflicts
- ◊ Revert history safely
- ◊ Pull Requests and releases



Mastering
Git &
GitHub

PRICE CHF 149
ONLINE

29/09/2021
14:00 - 17:00

REGISTER NOW!

CUSTOM THIS WORKSHOP!

- * Do you want a customized learning experience?
- * Do you want a workshop tailored for you and your team?

Introduction to R

Enanche your data science toolkit!

Are you looking for an effective and professional introduction to R?

Get your way around R for absolute beginners. Build the basics of R programming from absolute scratch and get solid foundations for future learning.

Explore the full potential of the R language by building for yourself a good understanding of objects, common functions and basic operations.

IS THIS WORKSHOP FOR YOU?

Yes, no previous experience with R required.

- ◇ Discover R & its opportunities
- ◇ Install Rstudio & install packages
- ◇ Explore vectors & matrices, lists & data.frames
- ◇ Import/Export & read data in R
- ◇ How to get help?
- ◇ Using functions for performing operations

**R basics:
objects,
functions &
operations**

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ONLINE

20/10/2021
14:00 - 17:00

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CUSTOM THIS WORKSHOP!

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Gaining insight from data

Readable data analysis for everyone.

Data analysis has never been so simple!

Become professional at writing readable efficient code for data manipulation.

Understand how to subset, modify, join, and summarize your dataset, and learn the best techniques for gaining insight from your data and enable decision-making.

IS THIS WORKSHOP FOR YOU?

Yes, no previous experience with R required but it is beneficial.

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ONLINE

27/10/2021
14:00 - 17:00

REGISTER NOW!

- ◇ Introduction to the tidyverse framework
- ◇ The pipe operator ``%>%``
- ◇ ``dplyr`` common functions: ``mutate``, ``filter``, ``summarize`` & more
- ◇ Convenience functions ``n``, ``top_n``, ``distinct`` and more
- ◇ Joining, pivoting and unpivoting
- ◇ ``tidyr`` for condition based rule

**Data analysis
with
tidyverse**

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Becoming an R developer

For robust, maintainable and sharable code!

Professionalize the way you work with R and path your way towards a production-ready code.

Integrate best practices like modularization (functions and packages), documentation, and (unit) testing, in your daily work.

IS THIS WORKSHOP FOR YOU?

Yes, if you have R-studio installed and if you know what a data.frame is.

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ONLINE

03/11/2021
14:00 - 17:00

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- ◇ Review explicit looping
- ◇ Vectorize calculations
- ◇ Structure & modularize your code
- ◇ Write functions
- ◇ Introduce conditional executions
- ◇ Test, Debug & Document

Think
like a
programmer

CUSTOM THIS WORKSHOP!

- * Do you want to make your own code more professional?
- * Do you want a workshop tailored for you and your team?

Discover R-Shiny

Empower your data through Shiny visualization

Do you have interesting data & analyses but no good way to share them? Would you like your users to interact safely with your data and analysis through a UI?

Provide an attractive interface to your data solution, that may follow you from prototype to a production, while being fully customizable, and able to handle complexity and scalability.

Discover how R Shiny can empower your data!

IS THIS WORKSHOP FOR YOU?

Yes, if you have been introduced to R – no need of HTML or Javascript.

- ◇ Make your code interactive
- ◇ Build your first shiny app
- ◇ Add input widgets
- ◇ Render outputs tables & plots according to user input
- ◇ Show output on demand, include download
- ◇ Customize the app appearance



**My first
Shiny App**

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ONLINE

10/11/2021
14:00 - 17:00

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CUSTOM THIS WORKSHOP!

- * Do you want to get started with Shiny using your own data?
- * Do you want a workshop tailored for you and your team?

Improve your R-Shiny skills

Make a Shiny App sparkle

Have you created your first Shiny app and would you like to bring it to the next level, customize it and make it more accessible to users.

Discover how to improve the User Interface for a more professional look, and learn how to better organize the content to derive insight more easily.

IS THIS WORKSHOP FOR YOU?

Yes, if you have been introduced to R and R Shiny – no need to know HTML, CSS or Javascript

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ONLINE

17/11/2021
14:00 - 17:00

REGISTER NOW!

- ◇ Apply easy customization of Shiny elements aesthetics
- ◇ Explore different UI structure, layouts and organization
- ◇ Use CSS customization & HTML
- ◇ Experiment with other Shiny-related packages
- ◇ Discover dashboard layout

**Make your
Shiny App
shine**

CUSTOM THIS WORKSHOP!

- * Do you wish to improve the aesthetic of your Shiny App?
- * Do you want to address specific UI concerns for your App?

Advanced Shiny Development

Dig deeper into professional Shiny development

Do you know how to build a basic shiny web application, but would like to deepen your shiny development knowledge and learn how to work with shiny in a professional way? This is the place for you!

Learn the best practices from experts who use Shiny in enterprise on a daily basis.

IS THIS WORKSHOP FOR YOU?

Yes, if you have been introduced to R and R Shiny – no need to know HTML, CSS or Javascript

- ◇ Package your Shiny project with `golem`
- ◇ Structure your App into modules
- ◇ Explore dynamic UI
- ◇ Gain an overview of different testing approaches for a Shiny App
- ◇ Get a first intro on best practices like dependencies control and automation

Advanced
Shiny
development

PRICE CHF 149
ONLINE

24/11/2021
14:00 - 17:00

REGISTER NOW!

CUSTOM THIS WORKSHOP!

- * Do you need to add specific functionalities to your own Shiny App?
- * Do you want to professionalize your Shiny code?

Bring a Shiny App to production

Safe, agile & automated deployment

Do you want to learn the best way to bring a Shiny App safely to production

Do you intend facilitating collaboration and maintaining high quality standards through (automated) testing and automated processes?

Discover how R Shiny can be used professionally in enterprise!

PRICE CHF 149
ONLINE

01/12/2021
14:00 - 17:30

REGISTER NOW!

IS THIS WORKSHOP FOR YOU?

Yes, if you have been introduced to R & to R Shiny

You will need a GitHub account, create one if you don't have it yet.

- ◇ Use best development practices (version control, modularization, package structure and testing)
- ◇ Control dependencies with `renv`
- ◇ Automate CI/CD with GitHub Actions
- ◇ Create branches, including branch protection
- ◇ Apply gitflow in a collaborative setup

**Bring a
Shiny App to
production**

CUSTOM THIS WORKSHOP!

- * Do you need support to bring your Shiny App to production?
- * Do you want your team to collaborate on the same app safely?

Who we are

Mirai Solutions

- ◇ **Swiss**-based consulting company
- ◇ **Interdisciplinary** and multi-national team
- ◇ Extensive **specialist knowledge** (mathematics, statistics and economics) with **professional experience** in financial services, software engineering and IT architecture
- ◇ Wide teaching expertise in courses, workshops and individual training engaging various audiences

Our Expertise

- ◇ Data Analytics
- ◇ Modeling
- ◇ Software Development
- ◇ Training

CONTACT US

We look forward to hearing from you

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For the full range
of our courses and services
visit our website
or contact us directly.



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