INTRODUCTION TO R SHINY

Learn from the experts how to create interactive, web-based visualisations with R Shiny

This online Masterclass will introduce you to R Shiny programming and will cover R Shiny capabilities, design approaches, coding essentials and how to publish your newly created app. Case studies will be used to provide applied examples of R Shiny apps in action.

SUMMARY

R Shiny is becoming an increasingly popular tool for highly customised data visualisations for the web. The open source framework provides an accessible and flexible way to create modern information dashboards. While R Shiny is able to draw on the analytical power of R it can also be used to visualise any data or outputs from other statistical software such as STATA or SAS. Learn in this introduction how to use R Shiny for your next data visualisation project and get insights into what R Shiny is capable of.

PREREQUISITES

• Basic R programming skills; we can provide online learning resources prior to the Masterclass if you haven’t used R before or are unsure if you have the required knowledge.
• Some experience with HTML & CSS would be beneficial; however, it is not mandatory.

FACILITATORS

The Masterclass will be led by Dr. Uli Muellner (Epi-interactive Director – IT & Learning) and taught with support from Epi-interactive team members.
LinkedIn: linkedin.com/in/ulimuellner

Register epi-interactive.com/events/r-shiny-masterclass-series
Or email us office@epi-interactive.com

3-week period
Interactive online sessions
Active learning support

Introduction Masterclass
$1250 NZD (excl. GST)

Both Introduction and Advanced Masterclass
$2500 NZD (excl. GST)

Includes RStudio Cloud subscription for the duration of the training*

Limited group size

Looking for something more advanced?
This event is Part One of a Masterclass Series.
For more information go to epi-interactive.com/events/r-shiny-masterclass-series/

*Fair use policy applies
## RESOURCES

**Provided**
- Interactive online sessions with individual feedback
- Online support forum throughout with expert support
- Online access to Masterclass material and coding examples

**Software** *(instructions will be provided)*
- R and RStudio Desktop
- R packages
- Git version control

## SCHEDULE

90-minute interactive online sessions, plus online support throughout the course.

<table>
<thead>
<tr>
<th>Session start times</th>
<th>North America</th>
<th>Europe</th>
<th>Oceania <em>(next day)</em></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>North America</strong></td>
<td>Los Angeles (PDT) 2pm</td>
<td>London (BST) 10pm</td>
<td>Sydney (AEST) 7am</td>
</tr>
<tr>
<td></td>
<td>Toronto (EDT) 5pm</td>
<td>Paris (CEST) 11pm</td>
<td>New Zealand (NZDT) 9am</td>
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**Session 1 | 3 May**
- Getting started with RStudio Desktop, your first R Shiny app and Git version control

**Session 2 | 4 May**
- R Shiny core concepts and mobile ready layout

**Session 3 | 6 May**
- R Shiny user interface components, reactivity and debugging

**Session 4 | 10 May**
- Publishing R Shiny apps, design considerations and case study

**Session 5 | 11 May**
- Data sources and data processing in R Shiny

**Session 6 | 13 May**
- Interactive charts with Plotly: chart types, customising hover boxes and chart styling

**Session 7 | 17 May**
- Maps and spatial visualisation with Leaflet: adding map layers, annotations, pins, filters and legend

**Session 8 | 18 May**
- Case study, top 10 tips for data visualisation with R Shiny and wrap-up