

## DataSHIELD Beginners Workshop

Given by: Demetris Avraam and Alex Westerberg, Newcastle University

Open to: everyone in various projects (see target audience in the information below)

Video link: <https://youtu.be/d-rqre00tIY>

Title	DataSHIELD Beginners Workshop
Duration	2 hours
Target audience	New users, recent starters to DataSHIELD statistical software.
Brief description	The beginners workshop covers the basics of how to begin to use DataSHIELD statistical software. The first part will be focussed on getting the training environment set up, then this will be followed by working through several sections on various statistical techniques.
Topics covered	<ul style="list-style-type: none"> <li>• 5 min slideshow on what DataSHIELD is and how the moving parts work</li> <li>• 10 mins on how to boot Virtual Machine (VM), launch RStudio within the VM. Users who have already downloaded can follow along <ul style="list-style-type: none"> <li>○ questions</li> </ul> </li> <li>• 10 mins on how to create/ customise login script <ul style="list-style-type: none"> <li>○ questions</li> </ul> </li> <li>• 10 mins on summary statistics DataSHIELD functions <ul style="list-style-type: none"> <li>○ questions</li> </ul> </li> <li>• 10 mins on assign-type DataSHIELD functions <ul style="list-style-type: none"> <li>○ questions</li> </ul> </li> <li>• 10 mins on sub-setting within DataSHIELD <ul style="list-style-type: none"> <li>○ questions</li> </ul> </li> <li>• 10 mins on graphs in DataSHIELD <ul style="list-style-type: none"> <li>○ questions</li> </ul> </li> <li>• 20 mins open to more general questions</li> </ul>
Pre-requisites	<ul style="list-style-type: none"> <li>• 23<sup>rd</sup> June 2020 Beginners workshop on YouTube (link: <a href="https://youtu.be/f0NjNu--Oik">https://youtu.be/f0NjNu--Oik</a>) <ul style="list-style-type: none"> <li>○ (to form an understanding before having a go in the session)</li> </ul> </li> <li>• Basic knowledge of R (if looking for a source, Patricia Ryser-Welch's "Intro to R" Session on the 2<sup>nd</sup> of December 2020 is available on YouTube <a href="https://youtu.be/eQr_dtZ8vwU">https://youtu.be/eQr_dtZ8vwU</a>)</li> </ul>
Before the workshop, you need to	<p>ESSENTIAL:</p> <ul style="list-style-type: none"> <li>• Download and Install Virtualbox <a href="https://www.virtualbox.org/wiki/Downloads">https://www.virtualbox.org/wiki/Downloads</a></li> <li>• Download the Virtual Machine image <a href="https://data2knowledge.atlassian.net/wiki/spaces/DSDEV/pages/1696825345/Workshop+VM+Special">https://data2knowledge.atlassian.net/wiki/spaces/DSDEV/pages/1696825345/Workshop+VM+Special</a></li> </ul> <p>AS BACKUP:</p> <ul style="list-style-type: none"> <li>• Download and Install R 4.0 or newer (<a href="https://www.r-project.org/">https://www.r-project.org/</a>)</li> <li>• Download and Install RStudio (<a href="https://rstudio.com/products/rstudio/download/#download">https://rstudio.com/products/rstudio/download/#download</a>)</li> </ul>