2018 WGAPE/ BITSS Training Workshop details

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Part 1: Pre-registration, data sharing and Pre-Analysis Plan

1) Check [OSF](#) , [Dataverse](#), [AEA RCT registry](#), [EGAP registry](#), and [Github](#) for pre-registration and data sharing
2) Templates and Resources of Pre-Analysis Plan for experimental studies could be found [here](#)
3) Templates and Resources of Pre-Analysis Plan for observational studies could be found [here](#)

Part II: Transparent data management and reproducible workflow

- Transparent data management for observational studies: [TIER (Teaching Integrity in Empirical Research) 2.0 protocol](#)

- Transparent data management for experimental studies/Impact evaluation: [The Impact evaluation Toolkit](#)

Part III: Dynamic documents with Stata

- Dynamic documents in STATA

[Dynamic documents in STATA](#) are made possible via [MarkDoc](#), a general-purpose package for creating documents interactively in various formats as sthlp, pdf, docx, tex, html.

In [STATA 15](#), the commands [putpdf](#), [putdocx](#) and [dyndoc](#) ([here](#) is a nice review of dyndoc) have been created to ease the generation of dynamic documents in the Pdf, Word and Latex format.

For those using earlier versions than the 15.0, the following steps are necessary before implementing dynamic documents:
Run adoupdate If you've installed it before. This is to make sure you are using the latest version and mostly because Markdoc is still a work in progress.
For those who have never installed it before, the following commands have to be run:
- ssc install markdoc
- ssc install weaver
- ssc install statax
- [pandoc](#) and [wkhtmltopdf](#), running "behind the scenes" to translate documents from one format to another should also be installed.

- For those who might be willing to have a .tex outputs, LaTeX (!! This is a heavy file which needs to be installed outside of the Stata environment!!).
  P.S: For Windows user, things usually tends to be work better If you right-click on the install files that you download and run as administrator.

- Dynamic documents with Word: Stattag : Download StatTag here

Part IV: Dynamic documents with R (Bonus!!)

The dynamic document capabilities in R have more options than in STATA. You should download both R and R studio.

Even If you already have them installed, it's a very good idea to update, especially if your version of R Studio is earlier than 1.0. as dynamic documents tend to work much more efficiently in earlier versions. Some codes will often break if R is not updated frequently. In the R studio Environment, Go to Files: →New-R Markdown→ and then Knit either to PDF or HTML.

Download and Run the R markdown examples here and try to knit either on HTML or PDF.

P.S: Latex needs to be installed for Knitting in PDF!!

LaTeX also needs to be installed.

Part V: Next Steps in changing scientific research practices

- Former, current and upcoming BITSS initiative: Manual of best practices, JDE/BITSS Registered Reports, BITSS Preprints

- African network of BITSS catalysts: upcoming trainings, research collaboration.