



Statistical Programmer in the Brave New World

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Disclaimer

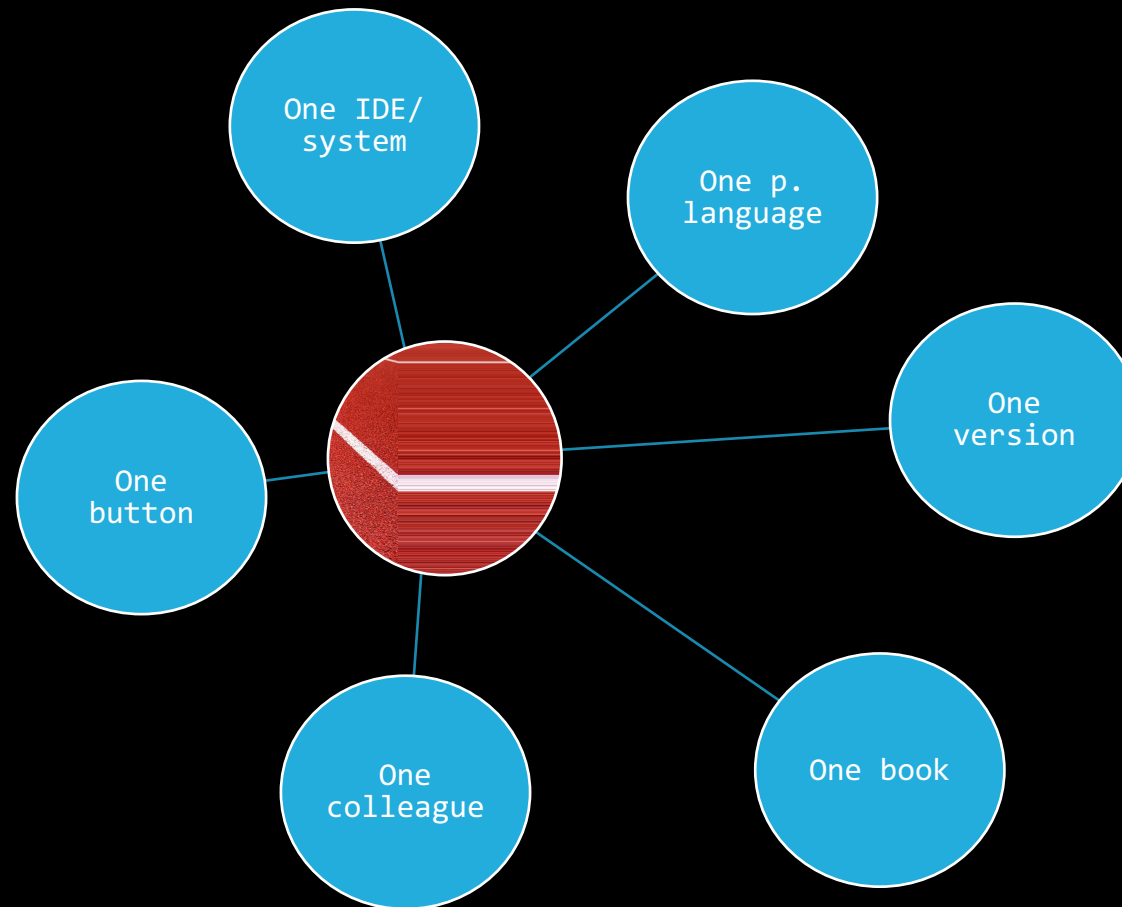
- This is not a historical overview of changes that lead us here
- This is not an assessment of the observed trends
- This is a personal presentation and shares my personal views
+ Views from the past 17 years
- This is an invitation

Invitation

- To share how the world is changing
 - To see what we are learning about and how we change
 - To thrive together
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- Let's start by sharing our change from baseline

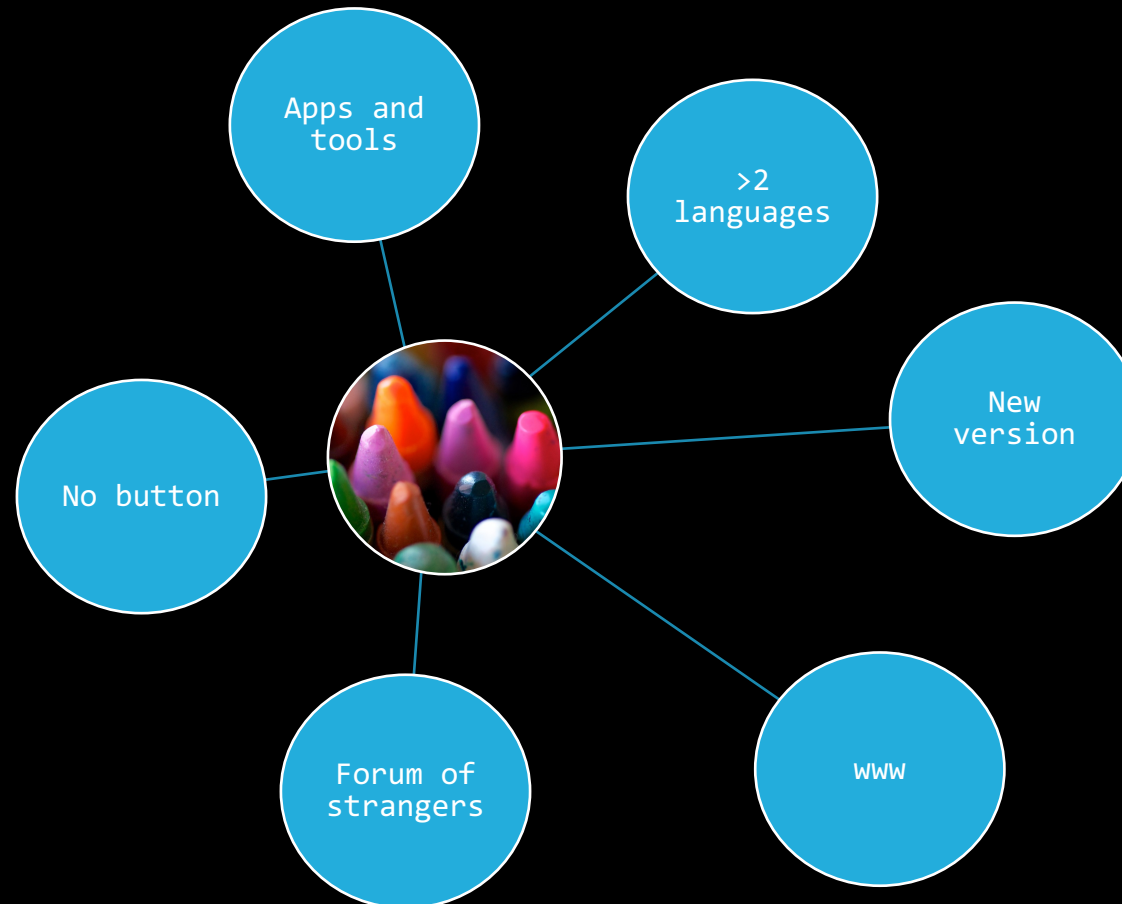
Baseline

- complexity of the programming env.



Change from Baseline

- complexity of the programming env.



Are you on top of the game?



- Focus on study design, clinical data, analyses and data quality
- Excel at local macros (company/colleague/your own)
- Leverage local standards (data standard, output shells)
- QC – have a great eye for detail
- Be ahead of your statistician, know the clinical team, MWs, DRA



- Focus on flexible and dynamic representation of data
- Contribute to open-source code
- Co-create global industry standards
- Create self-testing code
- Be a networker

Make
reusable
programs
by design

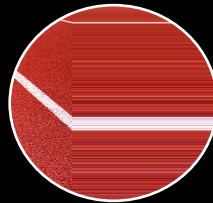
Think my
program is
my baby

Pre-
process
data when
the macro
crashes

Share
solutions
with the
world

Copy
programs
and adjust
for my
study

Develop QC
code as
part of
the
program





How to thrive?

- + the power of not knowing everything
- + the power of co-creation
- + the power of community

Thank you