

IMS Health & Quintiles are now



Quality vs Automation

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ADaM Define

Pros

- Consistency
- Re-usability
- Simplifies a complex process
- Don't need to understand html programming

Cons

- First time users will get lost
- Debugging becomes an issue
- Less able to spot errors with increased tool reliance

Output Template Creation



Pros

- Consistency
- Easy formatting
- Footnote/title/tracking efficiencies
- Saves time



Cons

- OS/Office versions may cause breakage
- Lack of backup process knowledge
- Need 'tricks' for indentation etc.

SAS Utility Macros

Pros

- Consistency
- Saves time
- Validated
- Ease-of-access

Cons

- Never learn how to create the links manually
- The danger of copy/paste

General Table Tools



Pros

- Saves time
- Consistency
- Standard between layout changes
- Decimal places



Cons

- Not able to create table from scratch
- Issues if Sponsor layout differs from macro's
- 'Mindless' usage
- Quality not improved for non-standard displays?

Edit Checks/DB Review

Pros

- Saves time
- Library of checks
- Cancels out human error

Cons

- No manual checks
- Time consuming to get in place/add 'handling' conventions
- Only improves quality for issues in existing programming

ODS Output



Pros

- Consistency
- Saves time
- Copy and paste



Cons

- Very Powerful, very confusing

SAS Log Checker

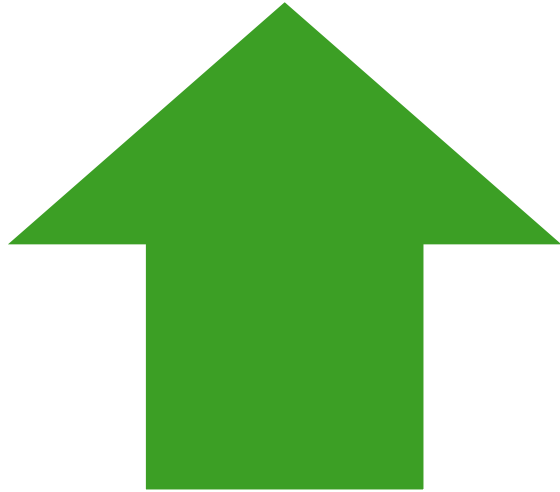
Pros

- Consistency
- Cancels out human error
- Summary across programs

Cons

- Using to debug program
- Improves quality of SAS program but does it improve the end product as well?

Supporting Items Version Archiving Tool



Pros

- Backups available
- Automatic metric reporting
- Less room for error/completeness
- Can be re-used/repeated



Cons

- Usually limited to a certain 'harmonized' directory structure
- Tends to include more than needed.

Format conversion Tools (Doc to pdf, XML to EXCEL)

Pros

- Saves time
- Combined format

Cons

- Takes extra time to set up



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 IQVIA™

