

To highlight how SAS logs aid to divert program execution, timeline estimates, data-output dependency and program recovery beyond error and debugging

Avinash Kumar, Eli Lilly
kumar.avinash@lilly.com



WHY SAS LOGS MATTER

Beyond Error Detection - Provide insights, revealing program execution and data dependencies for deeper understanding.

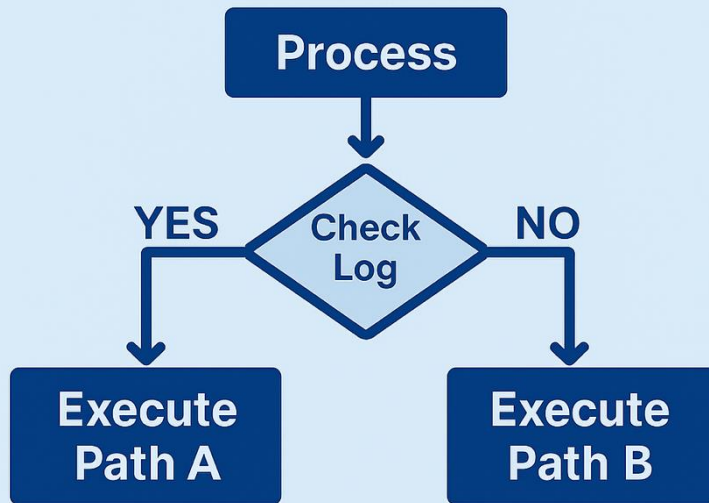
Enhancing Workflow Efficiency - Improves workflow by identifying bottlenecks and monitoring resource usage.

Supporting Audits and Compliance - Provide reproducibility, historical record for audits and ensuring regulatory compliance.



LOG-DRIVEN EXECUTION

Conditional Execution





LOG-DRIVEN EXECUTION(CONTND.)

Conditional Program Flow - Program flow dynamically redirects based on log content.

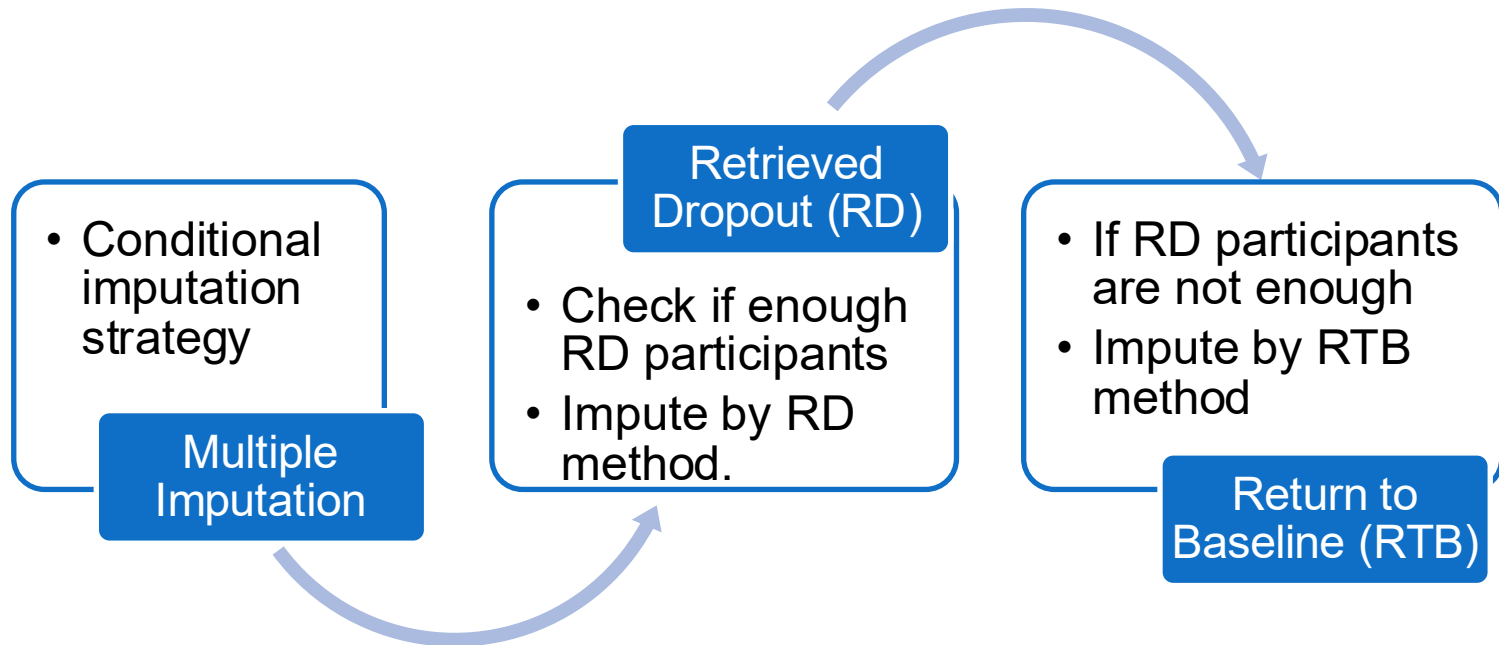


Log File Analysis - Logs are parsed for specific messages to trigger alternative processing methods.



Automation and Robustness - This strategy automates decisions by adapting to data conditions.

EXAMPLE





IDENTIFYING DEPENDENCIES



Dependency
Check



Impact
Analysis

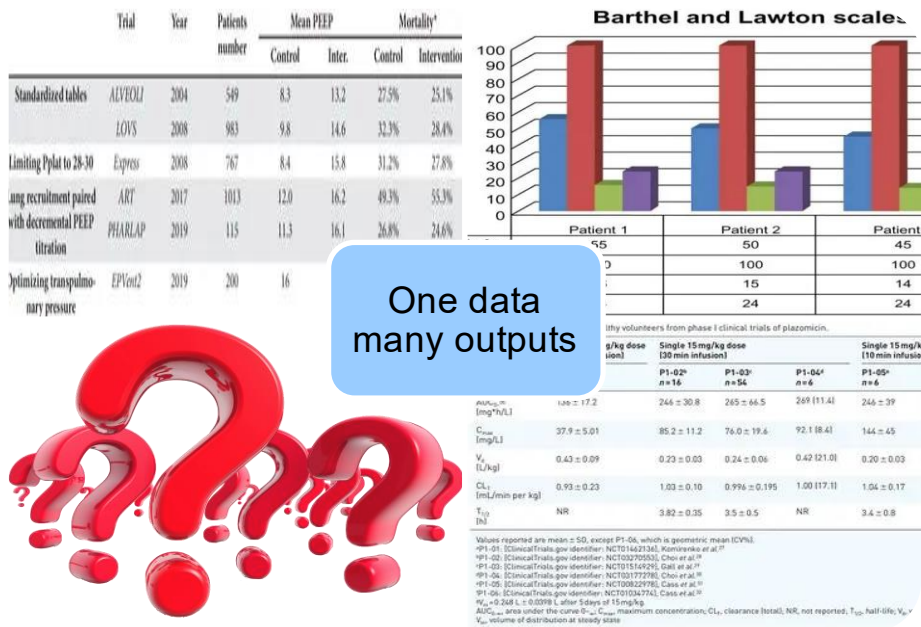


Enhancing
Traceability



Ensuring
Data Integrity

EXAMPLE



- SAS logs show how input datasets link to outputs, enabling clear mapping of dependencies.
- Logs help identify outputs affected by source dataset changes, supporting efficient impact analysis.



TIMELINE ESTIMATION

Leveraging SAS Logs

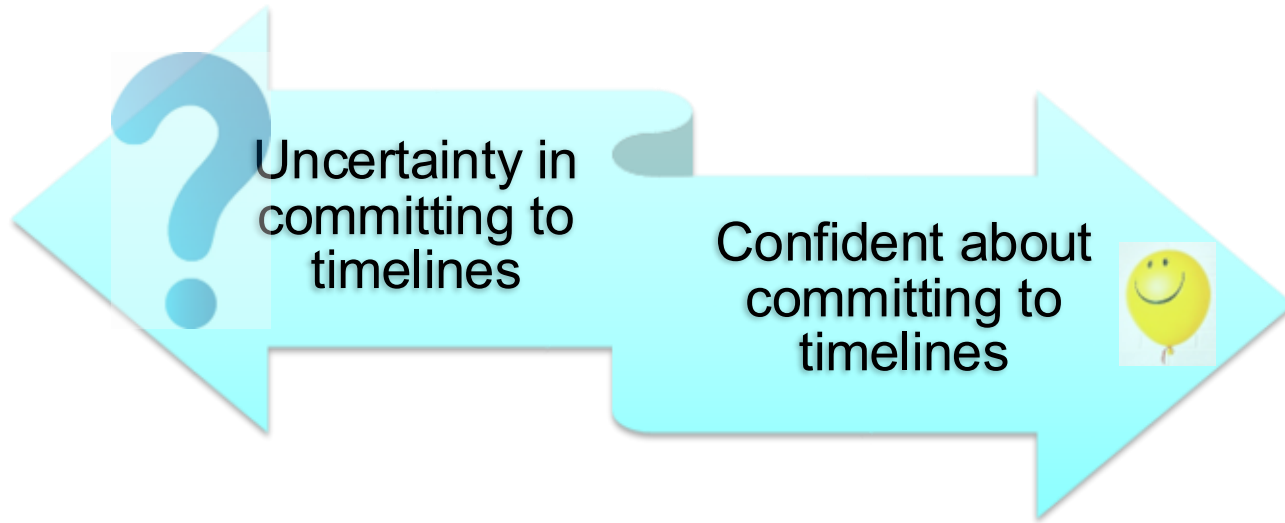
Provide detailed execution times to estimate total project duration effectively and enables accurate timeline predictions and task scheduling.

Performance and Capacity Planning

Logs support CPU usage, performance optimization and efficient resource capacity planning.



TIMELINE ESTIMATION (CONTD.)





TAKEAWAYS

Through practical examples and real-world applications, Deeper understanding of SAS logs can transform them from passive outputs into active assets in the programming lifecycle.



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