

Hey Statistical Programmer of today, Are you future-ready?

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Agenda



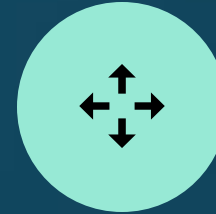
WHY THIS TOPIC?



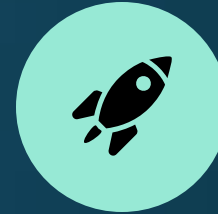
TODAY'S
STATISTICAL
PROGRAMMER



CAREER GROWTH
VS BEING FUTURE
READY



WHAT IS
CHANGING



BECOMING
FUTURE READY



CASE STUDIES &
MY PERSONAL
JOURNEY



CLOSING REMARKS

Why did I pick this topic?



Need of the hour



Personal motive



The right forum

Today's Statistical Programmer

The Skill Set



Relevant SAS
syntax
knowledge



Data-oriented



Clinical SAS
programming
techniques



Therapeutic area
expertise



Data standards



Processes &
regulations



Soft skills

Today's Statistical Programmer

The Mindset



Thorough with
required skills



Up to date with
standards



Enjoy the
programming!



Learn a new
skill, when it is
really needed



Career Growth vs. Being Future Ready

Growth very
region-specific

Growth may not
require skill set
upgrade

Being future ready
requires both a
mindset and skill
set upgrade



What is changing in the industry?

- Automation, in various forms
- Open-source technologies
- Adoption of modern SCE* and MDR⁺
- Evolving standards
- Talk around AI/ML

**Statistical Computing Environment ⁺Metadata Repository*



Impact on the Statistical Programmer Role

- Not immediately apparent
- Potential for new streams of work
- The key question – will we become obsolete?



Becoming future ready

- Learn a new programming language?
- Learn AI/ML?
- New roles for the statistical programmer?
- What do we prepare for?

Case Study 1



Statistical programmer
becomes
SCE/MDR Business
Analyst

- Work with pharma SCE/MDR end users
- Liaison between processes and technology
- Familiarity with use cases

My personal journey



Statistical programmer to
SCE Business Analyst

- Working with a technology company
- Demo the SCE to end-users in their language
- Align on customer requirements
- Train internal teams on SAS & SCE usage

My personal journey



Statistical programmer to
SCE Business Analyst

- Opportunity to develop macros/applications
- Exposure to APIs and web applications
- Work with multi-disciplinary teams
- Bird's eye view of systems and processes

Case Study 2



Statistical programmer
becomes
MDR Standards SME

- SMEs who understand the end-to-end flow
- Data Standards at the core of the industry
- A role that will be needed for a long time



The Future Statistical Programmer

- Thinks of the bigger picture
- More open to change
- Open to unconventional roles
- Thinks beyond a new programming language

Q&A

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