How depends the future on the past?

Kees van Hee

Agenda
• A brief history of Wil and Kees
• Excursions in Petri nets
• Big data and the future

“Nothing is forever” 1984 – 2018
Developments in Computer Science / Data Science
Brief history of the early days
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• Idea: *transform methods in tools* such that practitioners can use the tools without knowing all the details
TNO paid us in 1988 for the tool development:
2 PhD’s: Wil and Arno
Instead of teaching they had a programming task
I asked Jaap Wessels, my own promotor
to co-supervise Wil

PhD in 1992
Assistant prof 1992
Associate prof 1996
Wil in other departments
I was in industry 1994-2004

My chair 2006-2018

Parttime excursion to Bakkenist Management Consultants 1993-1998

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ExSpect became the competitor of CPN-tools
Workflow management systems were discovered as a new component of information systems (like the dbms)

- Petri nets were the right tool to model them: workflow nets

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• Later when I returned to the university soundness became a hot topic for me: soundness-by-construction
Process Mining

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• If we know all data of all roulette tables of the last century, we can not make a better prediction of the outcome!
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• So I end with a question: *Is there a fundamental limit for predictability?*