

# To check or not to check

Challenges in the scoping of a data quality project

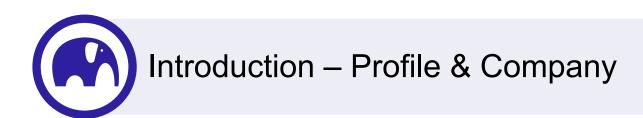
Actuariaatcongres 2024

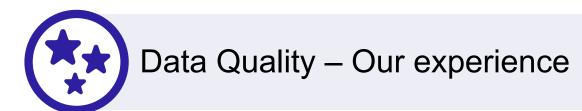
Inge Lodder AAG, MSc – Founder of ELAVV

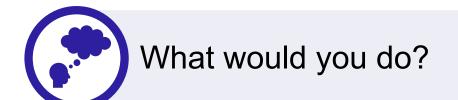




#### Index







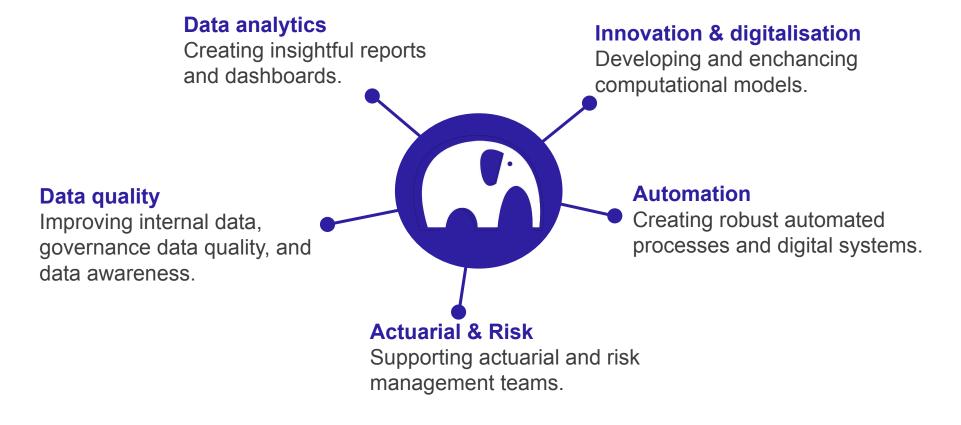






# Who are we?

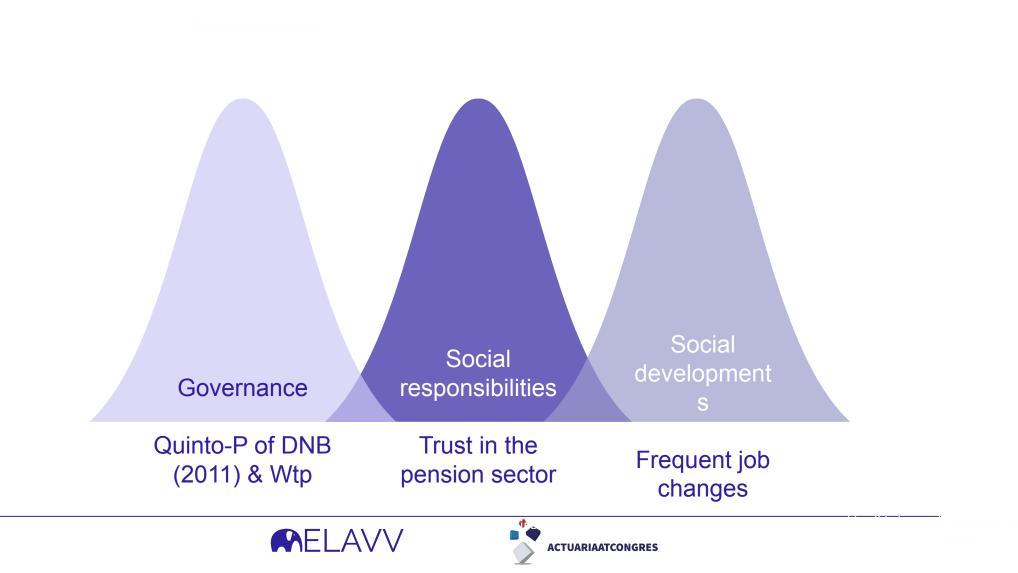
# We stand for innovation, digitalisation & advising for complex financial systems





# **Data Quality - Our experience**

#### Why do we need data quality checks?



#### Lessons learned in data quality investigations

PENSIOEN EDERATIE

- **Data profiling:** completeness, correctness, accuracy, data distribution
- Generic & Specific analyses



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• Verifying all benefits based on the mutation data

+ Additional checks





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2 pension funds medium-small sized, Self-administrating

- Predefined KDE (critical data elements)
- Database analyses
- Time horizond benefits verification +/- 4 years



## **Top 6 Challenges**



How to obtain a reasonable time & effort estimation of a project?



Do you immediately "get clean"?



When do you perform a deep dive?

%

How do you determine a margin of error?



What are specific analyses and what are generic analyses?

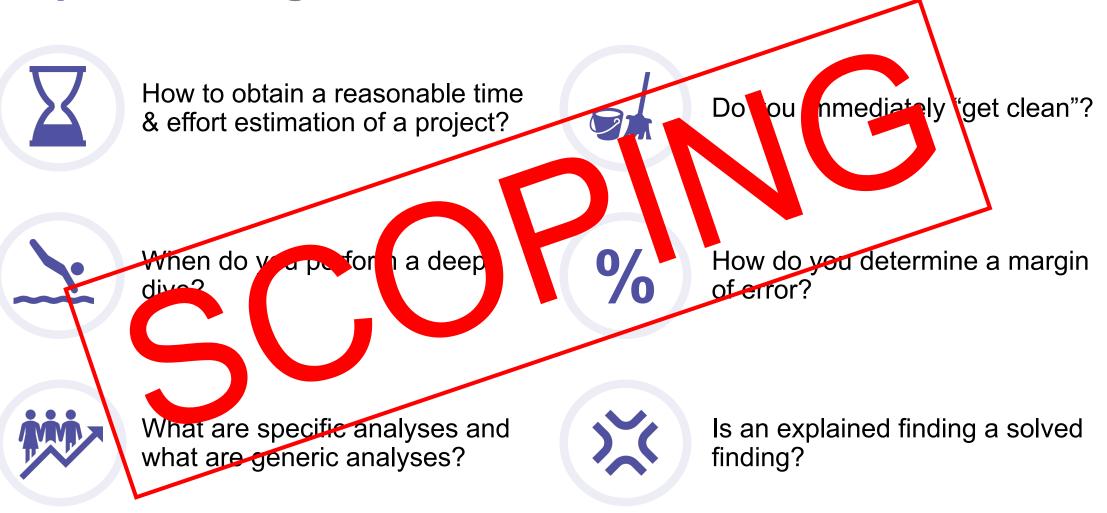


Is an explained finding a solved finding?





### **Top 6 Challenges**

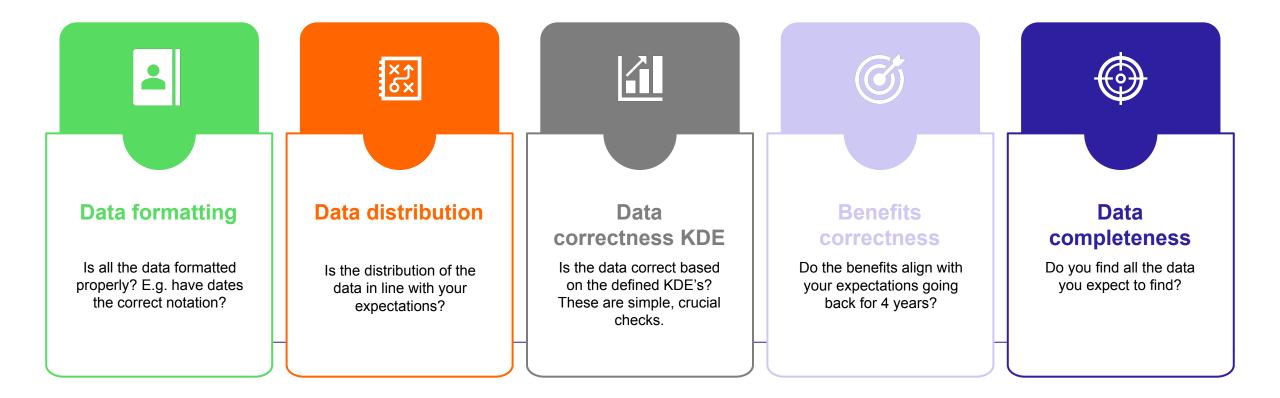






# Data Quality - What would you do?

Which task has your priority?





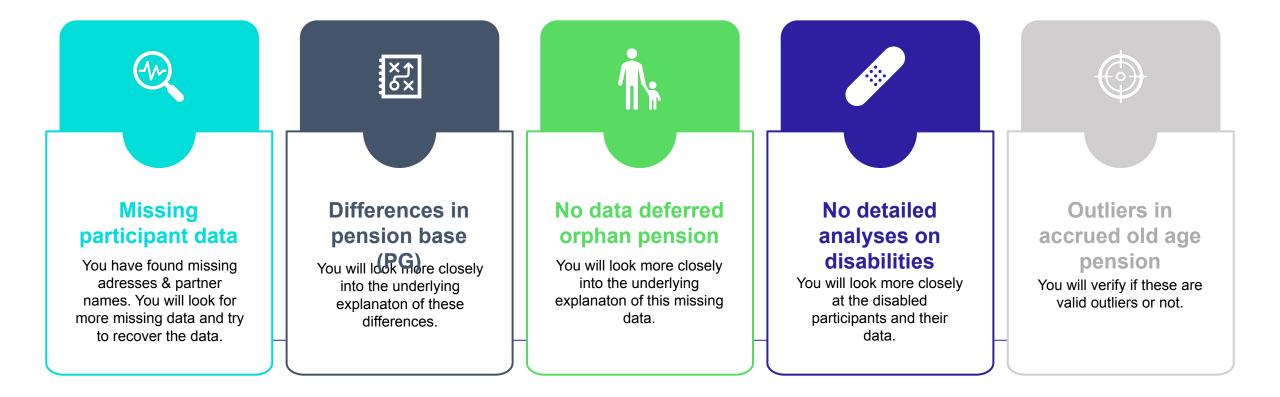








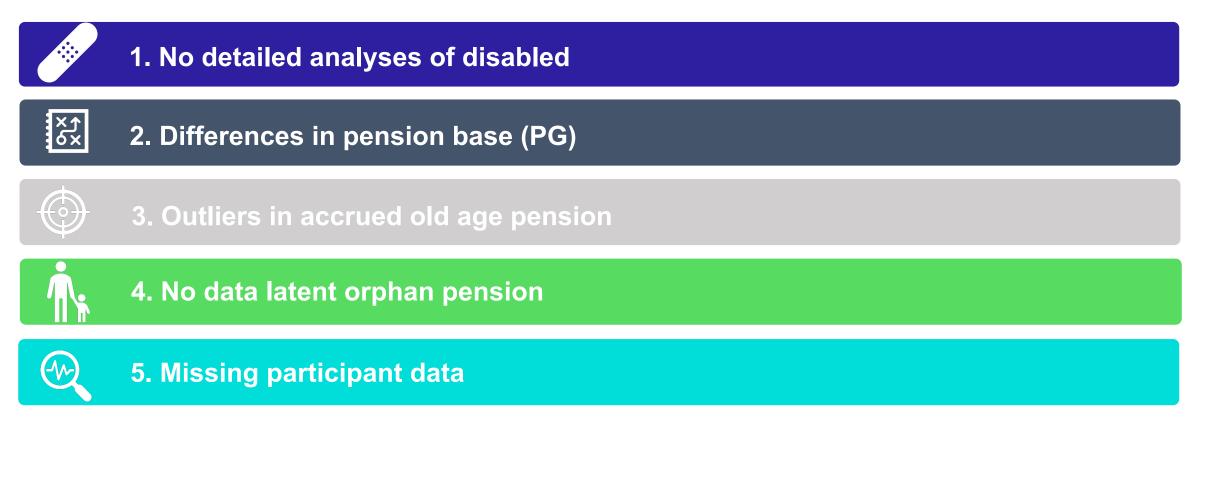
Which observation has your priority?















### **One question: What do you think?**

### How extensive should data quality checks be?

Is it Ethical to make cuts in data quality checks?



### **One question: What do you think?**

### How extensive should data quality checks be?

Is it Ethical to make cuts in data quality checks?

Do we need more than the basics?

Are the basics more than sufficient?

















Contact info!

#### I hope you leave the room with an inspiring impression

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# With the knowledge of the challenges you may face in Data Quality projects



