

# FANS Nordic Data Science Network

2/3-2021 – on Teams : 9-12 CET



FANS Nordic  
Data Science  
Network

# Agenda

9-12 CET

- **Welcome**
  - by Frans Holm, SAS
- **Data Preparation for Data Science – Ingredients for a successful Machine Learning Model**
  - by Gerhard Svolba, SAS
- **Break**
- **Privacy in Data**
  - by Cecily Hoffritz, SAS & Patric Hamilton, SAS
- **Natural Language Processing and Text Analytics: From ABT to Modelling**
  - by Ina Conrado, SAS & Antti Heino, SAS
- **Break**
- **Timeseries Analysis – From ABT to modelling**
  - by Rune Hjort Nielsen, SAS & Pasi Helenius, SAS
- **Closing & Lottery**
  - by Frans Holm, SAS

# News!!

## Creating codebooks with SAS macros

By [Kim Chantala](#) on [SAS Users](#) | February 1, 2021

Topics | [Learn SAS](#) [Programming Tips](#)

Do you want to spend less time on the tedious task of preparing your data? I want to tell you about a magical and revolutionary SAS macro called %TK\_codebook. Not only does this macro create an amazing codebook showcasing your data, it also automatically performs quality control checks on each variable. You will easily uncover potential problems lurking in your data including variables that have:

- Incomplete formats
- Out of range values
- No variation in response values
- Variables missing an assigned user-defined format
- Variables that are missing labels

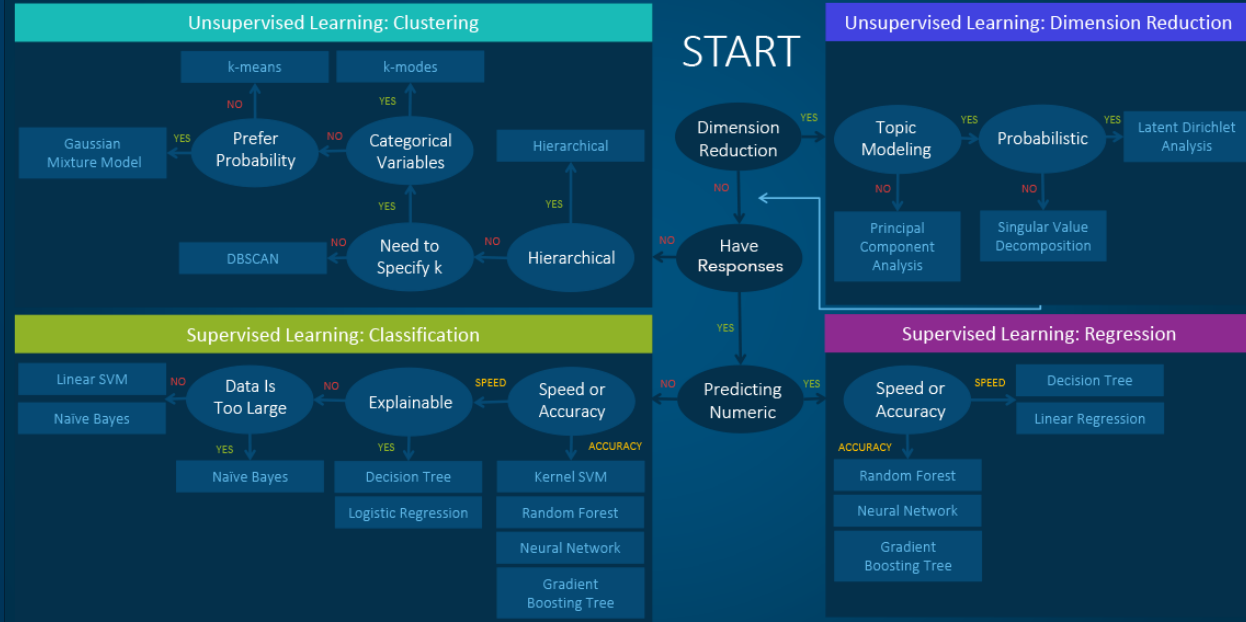
“ *Instead of spending your time preparing your data, you will be using your data to change the world!* ”

- [https://blogs.sas.com/content/sgf/2021/02/01/creating-codebooks-with-sas-macros/?utm\\_source=feedburner&utm\\_medium=email&utm\\_campaign=Feed%3A+sasblogs+%28SAS+Blogs%29](https://blogs.sas.com/content/sgf/2021/02/01/creating-codebooks-with-sas-macros/?utm_source=feedburner&utm_medium=email&utm_campaign=Feed%3A+sasblogs+%28SAS+Blogs%29)

# News!!

## Machine Learning Algorithms Cheat Sheet

Which machine learning algorithm should I use?



- [https://blogs.sas.com/content/subconsciousmusings/2020/12/09/machine-learning-algorithm-use/?utm\\_source=feedburner&utm\\_medium=email&utm\\_campaign=Feed%3A+sasblogs+%28SAS+Blogs%29](https://blogs.sas.com/content/subconsciousmusings/2020/12/09/machine-learning-algorithm-use/?utm_source=feedburner&utm_medium=email&utm_campaign=Feed%3A+sasblogs+%28SAS+Blogs%29)

# SAS® Global Forum

SAS Forum Nordic  
Autumn 2021 !?

[https://www.sas.com/en\\_us/  
events/sas-global-forum.html](https://www.sas.com/en_us/events/sas-global-forum.html)

Mark Your Calendar! Our Virtual Event Is

EMEA | May 25 - 26

# News!!

## SAS & Microsoft partnership

With combined technology and a shared road map, SAS and Microsoft are partnering to further shape the future of AI and analytics in the cloud.



Jim Goodnight, CEO of SAS, and Satya Nadella, CEO of Microsoft, talk about the value the companies' partnership brings to customers due to the seamless experience of SAS® Viya® on Azure.

- [https://www.sas.com/da\\_dk/solutions/cloud/microsoft-azure.html](https://www.sas.com/da_dk/solutions/cloud/microsoft-azure.html)



MENTI

*Do you have:*

Input?

Suggestions?

Ideas?

Share good videos/papers!

# Thank You for Speaking

- Don't invent new things!
- You don't need the answer!





# Lottery

Win a SAS gadget!

# Lottery

Today's present!



# Lottery

Sent a mail to:

[frans.holm@sas.com](mailto:frans.holm@sas.com)

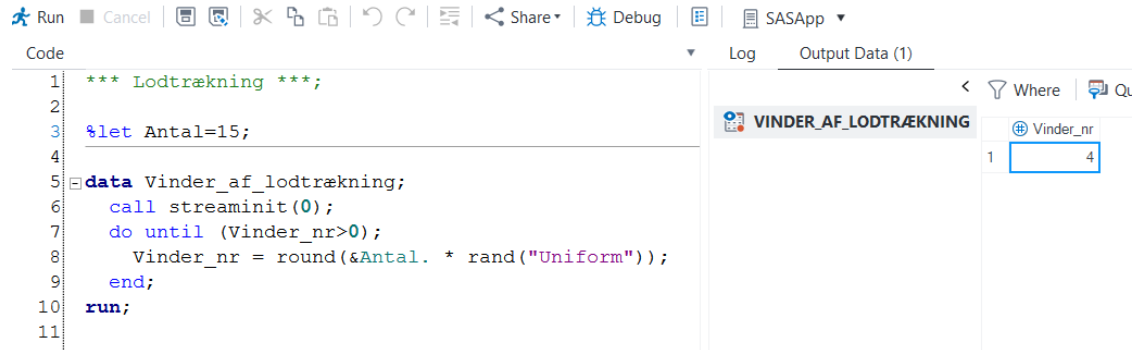
Write:

Subject: Lottery

Mail: Name + Address

Drawing

How:



The screenshot shows the SAS Studio interface. The top toolbar includes icons for Run, Cancel, Copy, Paste, Undo, Redo, and other standard editing functions. The main area is divided into two panes. The left pane, titled 'Code', contains the following SAS code:

```
1  *** Lodtrækning ***;
2
3  %let Antal=15;
4
5  data Vinder_af_lodtrækning;
6      call streaminit(0);
7      do until (Vinder_nr>0);
8          Vinder_nr = round(&Antal. * rand("Uniform"));
9      end;
10 run;
11
```

The right pane, titled 'Output Data (1)', shows the results of the code execution. It displays a table with one row and one column:

VINDER_AF_LODTRÆKNING	
	Vinder_nr
1	4

# Data Preparation for Data Science – Ingredients for a successful Machine Learning Model

by Gerhard Svolba, SAS

# Break

We start again at 10:05

# Privacy in Data

by Cecily Hoffritz, SAS & Patric Hamilton, SAS

# Natural Language Processing and Text Analytics

by Ina Conrado, SAS & Antti Heino, SAS

# Break

We start again at 11:15



# Timeseries Analysis

## – From ABT to modelling

by Rune Hjort Nielsen, SAS & Pasi Helenius, SAS

# Closing & Lottery

By Frans Holm, SAS

FANS

# Next Data Science meeting

[sas.com/fans](https://sas.com/fans) -> Events -> All live Events

Network  
meetings

- 2/6 FANS Network Meeting | Data Science, Nordic/English



MENTI

*Do you have:*

Input?

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# Ask the Expert:

## Nordic and Global Webinars

### Nordic Topics:

- 24/2: Ease of building stand-alone machine vision devices
- 31.3: What SAS 9.4 content can be migrated to SAS Viya?
- 28/4: Quick Wins with Azure
- 26/5: Version control in SAS
- 16/6: An introduction to Proc DS2

[Link to Ask the Expert](#)

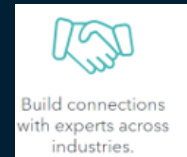
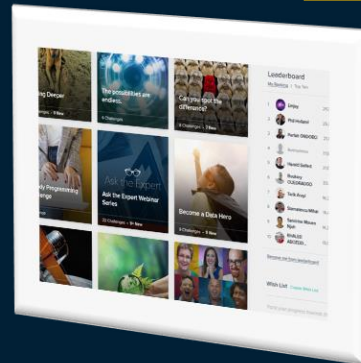
# SAS Analytics Explorers

Play, Learn, Engage

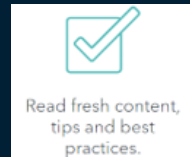
SAS® Analytics Explorers is a community where SAS customers meet for entertainment, networking, exchange of experiences, career impulses, and inspiration for their own work.

Here you can build connections with experts across industries, read fresh content, tips, and best practices, access private SAS resources and events, and earn points to redeem special rewards. This is a fun way to learn and interact with other SAS users.

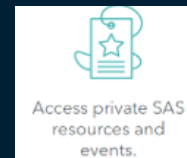
## Short video introduction



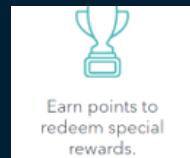
Build connections with experts across industries.



Read fresh content, tips and best practices.



Access private SAS resources and events.



Earn points to redeem special rewards.



Don't miss out – stay updated!

## Nordic SAS User Newsletter

Monthly email with upcoming Nordic events and activities. Subscription-based. [Subscribe](#)

## SAS Global Support Community

Stuck on a problem? [Ask the community for help](#). While you're here, get a SAS tip and share what you know. This community of SAS experts is here to help you to succeed!

## SAS Nordic Communities

This community is for all SAS users in the Nordic region. [Join](#)

# Lottery Todays present!





Thank you for  
participating

Remember Evaluation!!



Frans.Holm@sas.com

