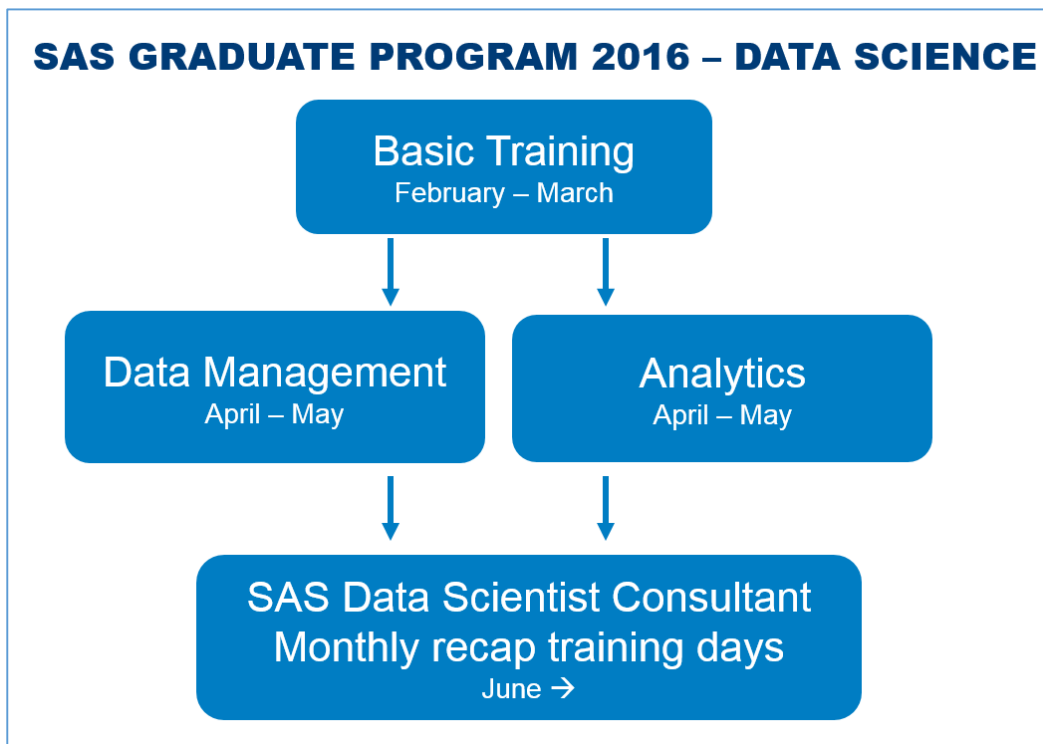## SAS Graduate Program in Data Science

We will select eight young candidates to be enrolled in the SAS Graduate Program in Data Science beginning on 1 February 2016. The Graduate Program is a one-year program starting with an intensive four-month training program that prepares the candidates for a career as SAS Data Scientists. The candidates are employed as SAS consultants and will continue as SAS consultants once the one-year graduate program is completed.

The Graduate Program starts with two months of training in all the basic skills in SAS Data Science. After this, advanced SAS Data Science training follows with focus on data management or analytics depending upon the candidates' skills and preferences. Once the four months of intensive training is completed, the candidates will work as a SAS Data Scientist Consultant in one of our Professional Services Divisions together with more than 150 SAS consultants in SAS Institute Denmark. In the second half of 2016, the Graduate Program consists of monthly recap training days, where we add training that is more specialized and follow up on experience and knowledge, which the candidates have gained during consultancy work for Danish SAS customers.

SAS GRADUATE PROGRAM 2016 – DATA SCIENCE

- **Basic Training** February – March
  - **Data Management** April – May
  - **Analytics** April – May
    - **SAS Data Scientist Consultant** Monthly recap training days June →
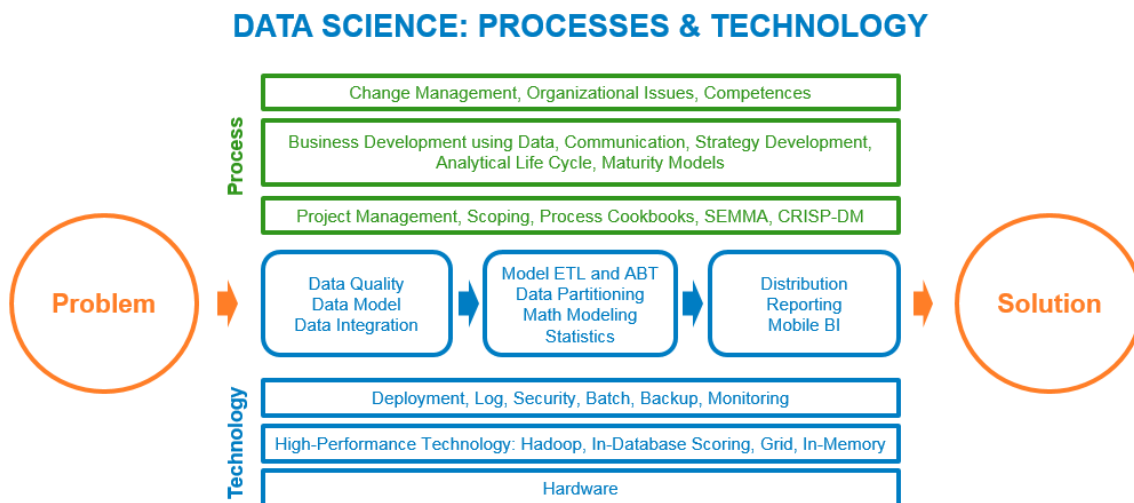
Upon completion of the training program, the candidates will work as a SAS Data Science Consultant specialized in either data management or analytics solving business problems for SAS customers in Denmark. We will help the candidates grow and accelerate their career through challenging and meaningful work, a strong network and development activities with other graduates and experienced SAS consultants in Denmark and internationally.

Focus Areas

The SAS Graduate Program focuses on these areas:

- Critical SAS® programming skills
- Accessing, transforming and manipulating data
- Improving data quality for reporting and analytics
- Data warehousing and data modeling techniques
- Fundamentals of statistics and analytics
- Working with Hadoop, Hive and SAS
- Exploring and visualizing data
- Machine learning and predictive modeling techniques
- Pattern detection
- Experimentation in business
- Optimization techniques
- Time series forecasting
- Essential communication skills

During the SAS Graduate Program, the candidates are trained in modern process techniques and methodologies to problem solving, cf. the diagram below:

DATA SCIENCE: PROCESSES & TECHNOLOGY

Training Program

The SAS Graduate Program will train the candidates in the following areas: SAS Foundation, SAS Platform, SAS Data Management, SAS Analytics Discovery & Deployment, Process and Business Development. Read more about these areas below.

	SAS Foundation	SAS Platform	SAS Data Management
Description	Learn how to program in SAS and handle the most important data transformation issues	Learn how to administer and monitor the SAS Platform	Learn how to integrate and prepare data using SAS Data Management applications
Areas	• SAS Programming • SAS Macro Language • SQL	• SAS Metadata • Servers • Data libraries • Users, logs, reports	• Data Integration • Data Quality • Data Management • Data Modeling
SAS Applications	SAS Enterprise Guide® SAS Studio SAS Add-In for Microsoft Office	SAS Management Console SAS Environment Manager	SAS Data Integration Studio SAS Management Studio SAS Federation Server SAS Event Stream Processing

	SAS Analytics: Discovery	SAS Analytics: Deployment	Process and Business Development
Description	Learn the key areas of SAS Analytics	Learn about deployment and high-performance computing	Learn about processes, methodologies and most high-frequent issues
Areas	• Predictive models • Network analysis • Text analysis	• SAS DS2 Programming • Hadoop • In-Database Scoring • Grid enablement • In-Memory Processing	• Communication • Project Management
SAS Applications	SAS Enterprise Miner™ SAS Text Miner SAS Visual Analytics SAS Visual Statistics SAS Contextual Analysis SAS Content Categorization	SAS Decision Manager SAS Event Stream Processing SAS Model Manager SAS Data Loader for Hadoop In-Memory Statistics	

For more information about SAS Graduate Program, please join the information meeting on 1 December. Sign up for SAS Graduate Program Information Meeting.

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