

Business Intelligence

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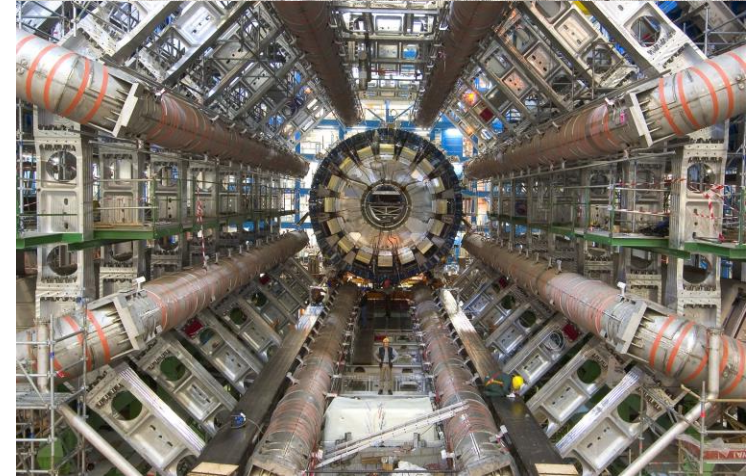
Lidt om mig

Anders Hammer Holm

Kandidat i Fysik, Københavns Universitet december 2015

BI Trainee 2016

BI Konsulent 2017 - nu



Lidt om Innofactor



- Approximately 600 Nordic professionals
- 15 enterprise-level Microsoft Gold and 1600+ Employee Microsoft Certificates
- 10+ Microsoft Most Valuable Professionals



- We serve more than 1500 Nordic Customers and have a broad industry and public sector digitalization experience and references



- Revenue EUR 66M (2017)
- Listed in NASDAQ Helsinki, 10,000+ shareholders



- We support our customers in the private, public and third sector to improve and modernize their services, operations and way of working

Lidt om Innofactor

Organization
today



Secure Cloud Platform

- Cloud Journey
- Cloud Infrastructure, Governance, Security & GDPR
- Identity & Access Management
- Enterprise Mobility & Security
- Managed Cloud Services

Productivity & Modern Employee Experience

- Quality Management
- Productivity & Workflow
- Digital Collaboration Solutions
- Modern Digital Adoption

Data driven Business

- Business Intelligence
- Master Data Management
- Advanced Analytics, Artificial Intelligence & Machine Learning
- Internet of Things
- Augmented Reality
- Web & mobile Apps

Business Intelligence???

”at tilrettelægge og visualisere data, så virksomheder bliver klogere på dem selv”



danbolig

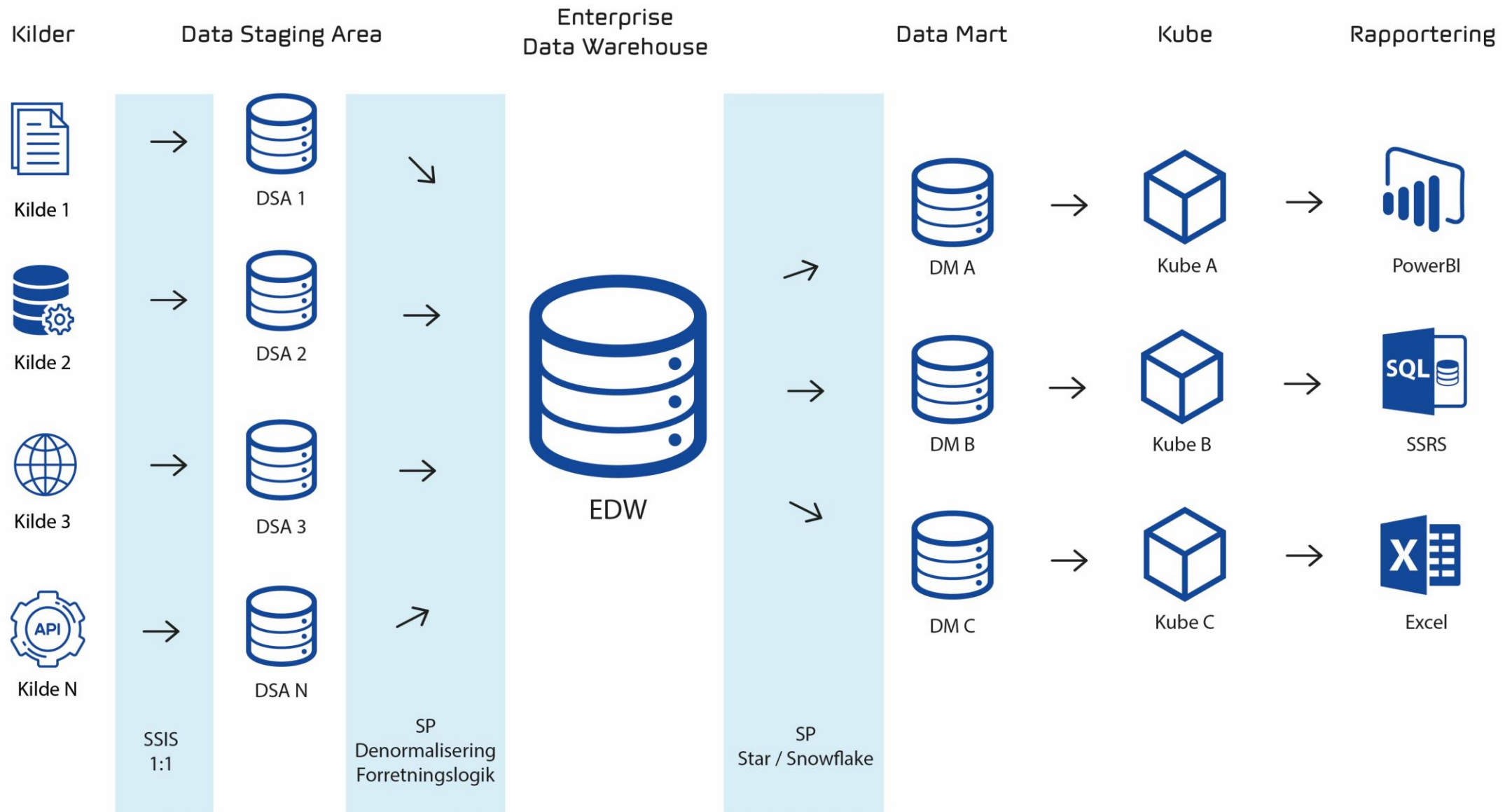
SAMARBEJDER MED NORDEA



Innofactor kunde siden 2013



INNOFACTOR®



Værktøjer



Værktøjer

Kodesprog: Primært SQL, men også mere programspecifikke

SQL kan bruges til data manipulation, datastrukturer og datarettigheder

SQL Server Management Studio

SQLQuery3.sql - HP-SPLIT\VisualBasic (HP-SPLIT\admin (55)) - Microsoft SQL Server Management Studio

Object Explorer: HP-SPLIT (SQL Server 12.0.4100.1 - HP-SPLIT\admin)

- Databases
 - System Databases
 - Database Snapshots
 - VisualBasic
 - Database Diagrams
 - Tables
 - System Tables
 - FileTables
 - dbo.Resident
 - Views
 - Synonyms
 - Programmability
 - Service Broker
 - Storage
 - Security
 - Server Objects
 - Replication
 - AlwaysOn High Availability
 - Management
 - Integration Services Catalogs
 - SQL Server Agent (Agent XPs disabled)

SQLQuery3.sql - HP-SPLIT\admin (55) | GenerateResidents.....SPLIT\admin (51))

```
/*----- Script for SelectTopNRows command from SSMS -----*/
SELECT TOP (1000) [ResidentId]
, [FirstName]
, [LastName]
, [Address]
, [City]
, [State]
, [ZipCode]
, [DateEntered]
FROM [VisualBasic].[dbo].[Resident]
```

Results

ResidentId	FirstName	LastName	Address	City	State	ZipCode	DateEntered
37	Leigh	Brandt	3439 Riverside Way, MidAmerican ...	Closter	FL	89981	1970-01-01 23.2
38	Hoyt	Lash	2780 Buttonwood Pkwy, 6th Floor	San Francis...	SC	14529	1970-01-01 17.5
39	Alejandro	Hagen	764 Hidden Farmview Ln.	Cresskill	GA	55853	1970-01-01 00.0
40	Wilbur	Shank	302 SW Edgewood Ct, 42th Fl	Santa Paula	SC	39553	1976-01-02 05.2
41	Michel	Hermann	906 South Highland Ct, 9th Floor	Grand Junc...	LA	80309	1970-01-01 00.0
42	Keenan	Emmons	3049 Quailwood Dr.	Bronxville	CO	52062	1991-05-16 07.1
43	Jeannine	Hager	802 NW Riverview Dr.	Winchester	WI	81627	2010-04-15 08.2
44	Ernestine	Eng	1660 Rock Hill Court, 8th Fl	South Hill	TN	07553	1970-01-01 00.0
45	Tami	Quintero	3518 Hunting Hill Blvd, 85th Floor	Maryville	NV	06168	1970-01-01 00.0
46	Lonnie	Morehead	1756 E Riverview Way	Covington	GA	63277	1970-01-01 00.0

Properties

Current connection parameters

Aggregate Status

Connection failure:

Elapsed time: 00:00:00.294

Finish time: 5/6/2017 3:23:32 PM

Name: HP-SPLIT

Rows returned: 1000

Start time: 5/6/2017 3:23:32 PM

State: Open

Connection

Connection name: HP-SPLIT (HP-SPLIT\ac...

Connection Details

Connection elapsed: 00:00:00.294

Connection encrypt: Not encrypted

Connection finish time: 5/6/2017 3:23:32 PM

Connection rows returned: 1000

Connection start time: 5/6/2017 3:23:32 PM

Connection state: Open

Display name: HP-SPLIT

Login name: HP-SPLIT\admin

Server name: HP-SPLIT

Server version: 12.0.4100

Session Tracing ID: SPID

SPID: 55

Name: The name of the connection.

Query executed successfully. HP-SPLIT (12.0 SP1) HP-SPLIT\admin (55) VisualBasic 00:00:00 1000 rows

Værktøjer

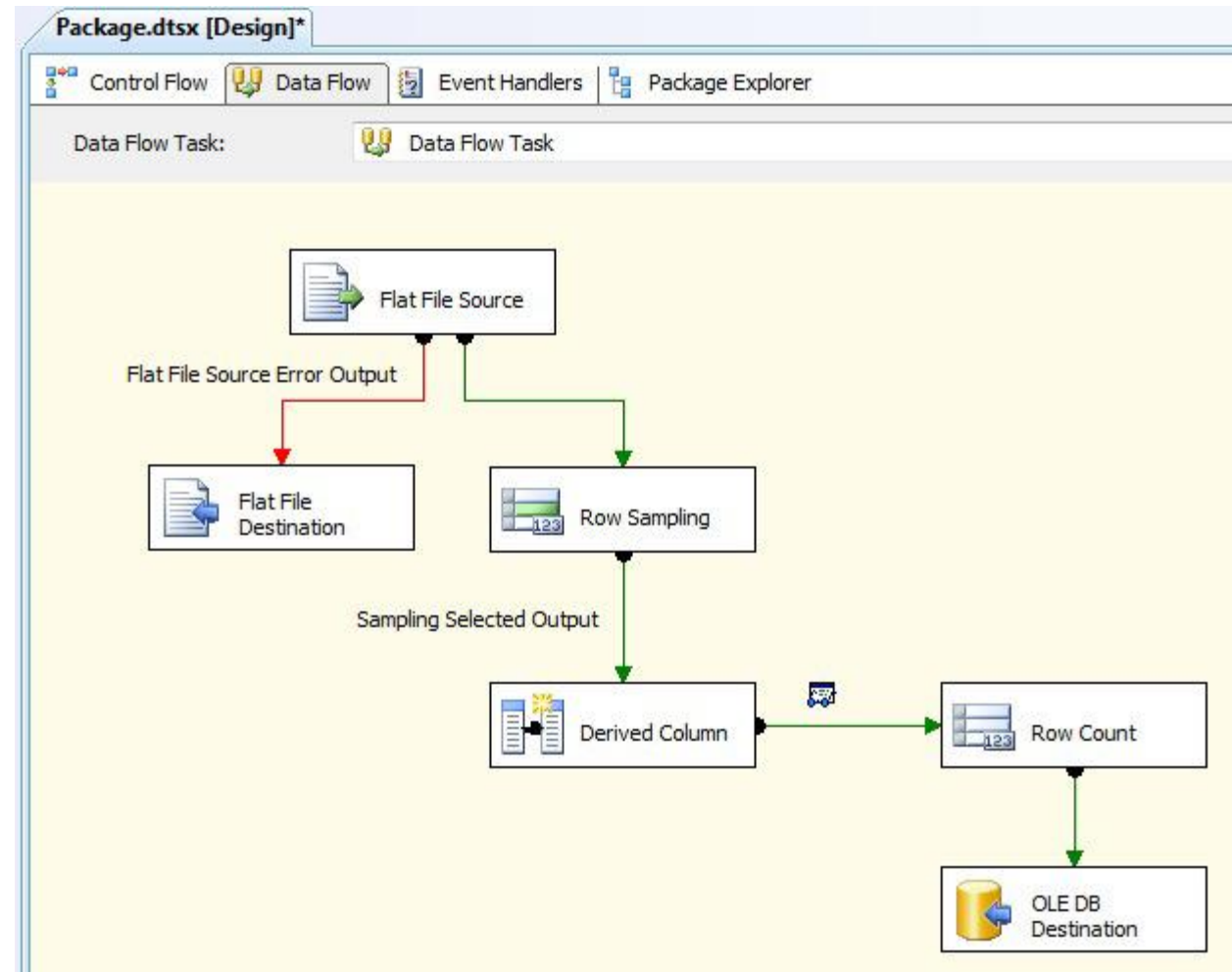
Visual Studio/ SQL Server Data Tools

Værktøjer

Visual Studio/ SQL Server Data Tools

Integration Services

Flytning af data, og automatisering af dette

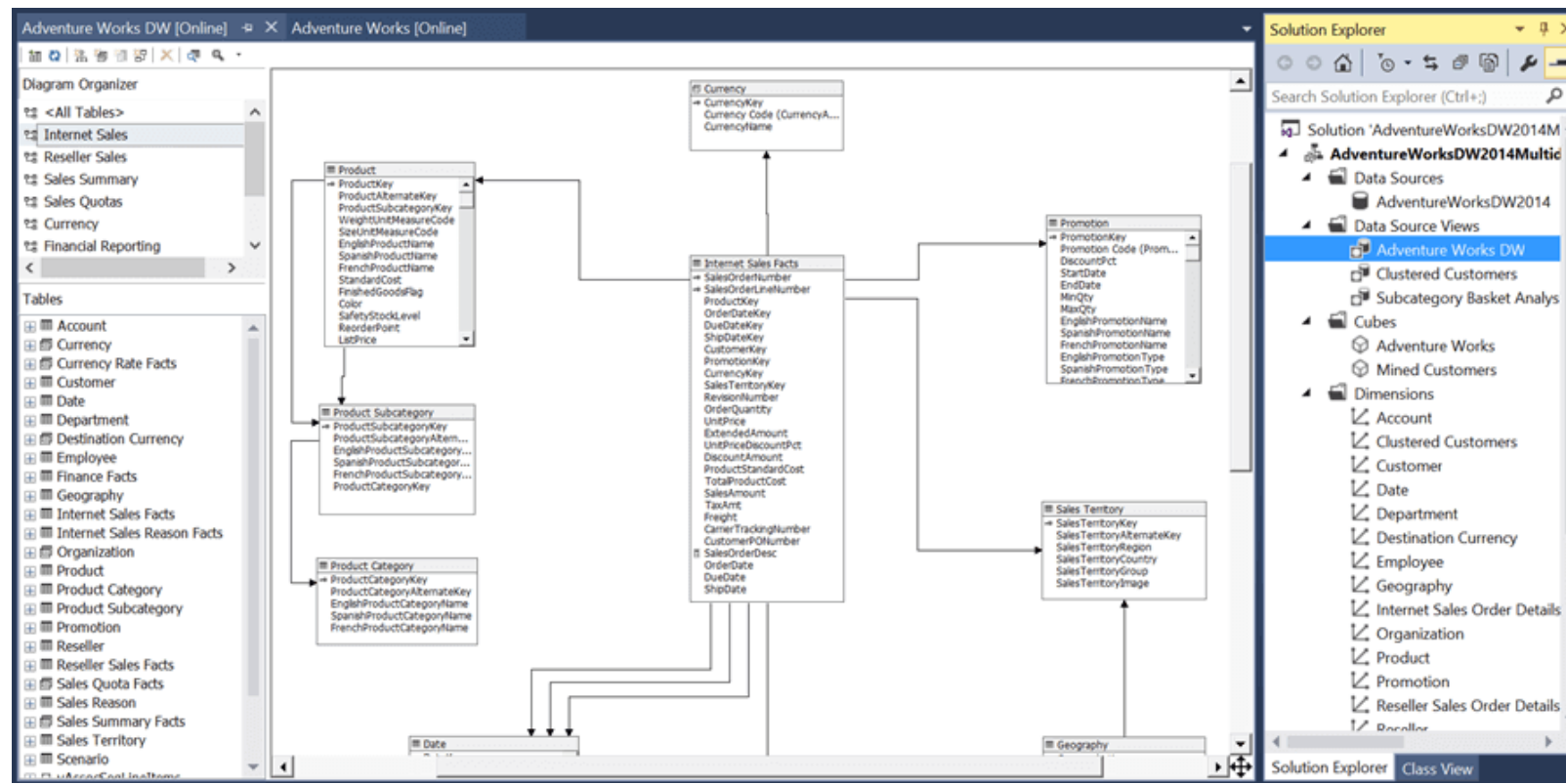


Værktøjer

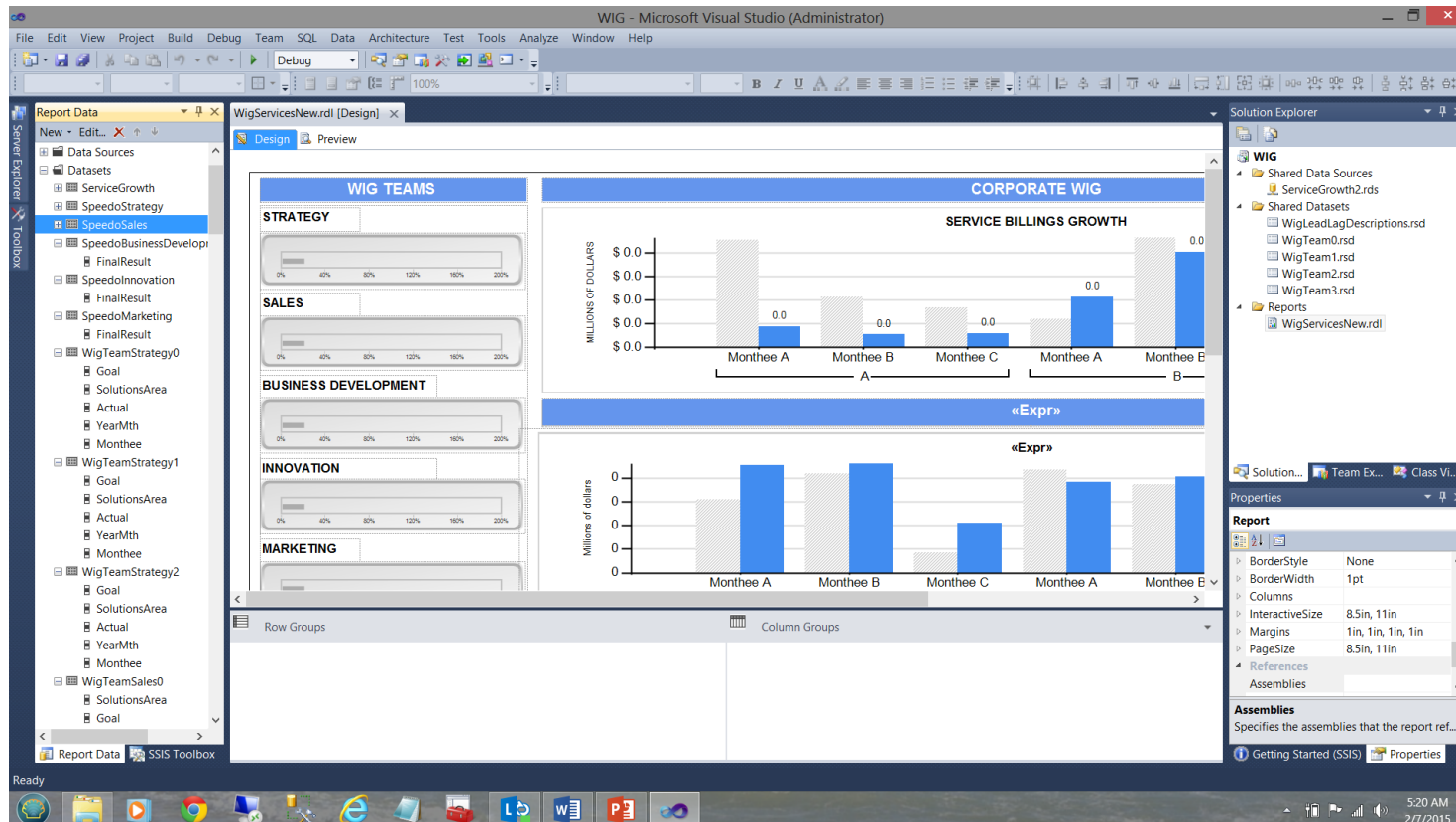
Visual Studio/ SQL Server Data Tools

Analysis Services

Opbygning af datamodeller og måltal



Visual Studio/ SQL Server Data Tools



Reporting services + Power BI

Datavisualisering, herunder rapporter og dashboards

Power BI demonstration



A bit of **background** info before we get going:

We wish to investigate which country got the most medal points per 1M inhabitants

All medalists are in a spreadsheet and countries.

Medal points are defined as Gold = 3, Silver = 2 and Bronze = 1

BI konsulenten



----- ? -----



Samarbejde med kunden

Kontaktpunkter

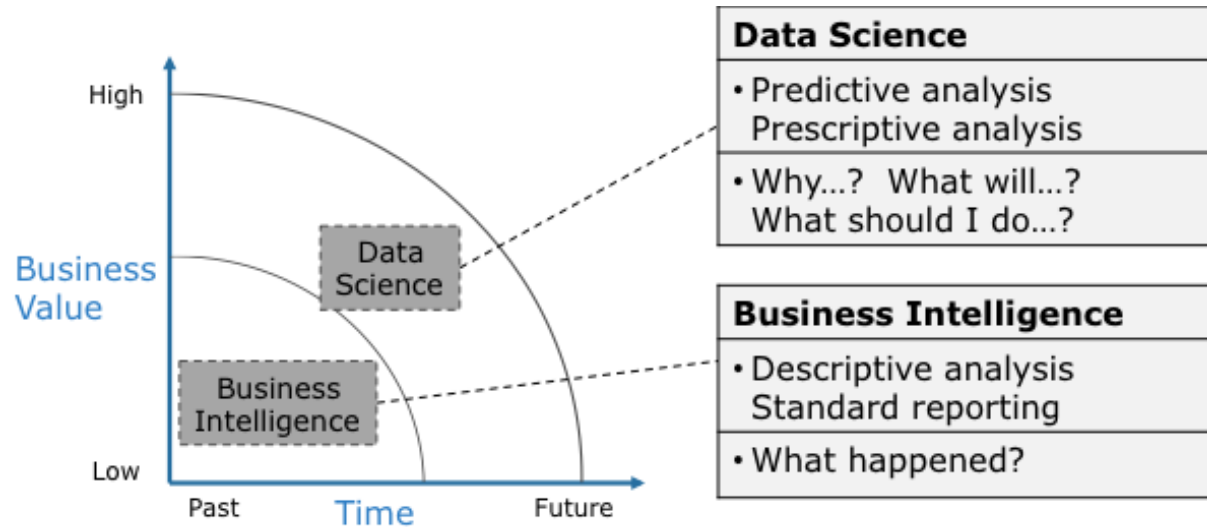
Mails, ticket system etc.

Teams internt

Projekter, support, tilpasninger

Relateret til BI

Data Science / Advanced analytics



Cloud teknologi – Microsoft Azure



Innofactor Talentprogram

Module 1 (September)

Intro program
Consulting Skills I
BI Basic
SQL Basic & SQL Stack intro
Visual studio
Start-up the certification journey

Module 2 (November-December)

Consulting Skills II
Creating reports in Power BI

Deadline Certification 767 (November)

Module 3 (February - April)

Consulting Skills III
Advanced Analytics
Data in Azure (Basic)
Case presentation end of April

Deadline Certification 768 (February)

ON THE JOB TRAINING & CERTIFICATIONS
Participating as a junior on different customer projects

EXAMPLE

Spørgsmål?