

# Tiivistelmä - SAS EG 5.1

## Uudet ominaisuudet ja niiden hyödyntäminen

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- Mitä uutta versiossa 5.1
  - Koodieditori täydentää myös sarakkeen nimet
  - Koodieditorissa Syntax Help –ikkunasta linkit suoraan hakukoneeseen
  - Uusi Data Explorer työkalu
  - Query Builder:sta saa tallennettua ajopohjan
  - Query Builder:lla voi tehdä alikyselyn
  - Datan saa siirrettyä Exceeliin xlsx-muotoisena
  - Web Report Studio raportin saa päivitettyä EG:sta käsin
  - Tiilikuvion saa tehtyä erikseen valitun muuttujan arvoille
  - EG on nyt saatavilla myös 64-bittisenä versiona

# Aureolis Oy

SAS EG 5.1

Uudet ominaisuudet ja niiden hyödyntäminen

# Enterprise Guiden (EG) uudet ominaisuudet

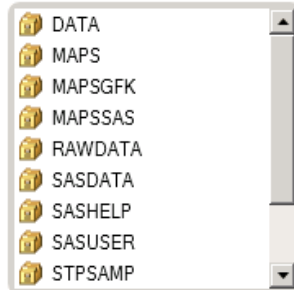
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- Mitä uutta versiossa 5.1
- Miten uusia ominaisuuksia voidaan käyttää
- Mihin näitä ominaisuuksia voidaan hyödyntää

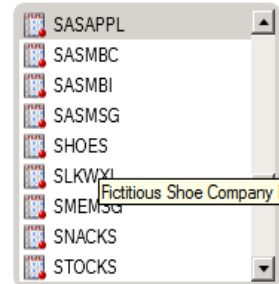
# Koodieditori 1/3

- Jo versiossa 4.3 automaattinen syntaksin, kirjastojen ja datan täydennys
- Versiossa 5.1 lisäksi automaattinen täydennys myös muuttujille

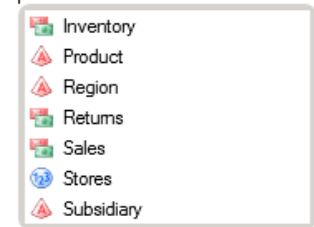
```
proc report data=
```



```
proc report data=sashelp.s
```



```
proc report data=sashelp.shoes;  
column |
```



# Koodieditori 2/3

- Syntax Help –ikkunasta pääsee nyt klikkaamaan linkkien kautta
  - Googleen (oletus)

```
proc report data=sashelp.shoes;  
  column Product Sales;  
run;
```

Keyword: **RUN**

**Context:** [GLOBAL STATEMENT] RUN statement

Syntax: RUN <CANCEL>;

Executes the previously entered SAS statements.

Search: [The Product Documentation](#), [Samples & SAS Notes](#), [Papers](#)

site:support.sas.com "RUN STATEMENT"

**Web** Images Maps Shopping More Search tools

About 4,430 results (0.19 seconds)

[Statements: RUN Statement - 9.2 - SAS](#)

[support.sas.com/documentation/cdl/en/lrdict/64316/.../a000214506.htm](http://support.sas.com/documentation/cdl/en/lrdict/64316/.../a000214506.htm)  
Without arguments, the RUN statement executes the previously entered SAS statements. ... Although the RUN statement is not required between steps in a SAS ...

[Statements: %RUN Statement - 9.2 - SAS](#)

# Koodieditori 3/3

- Syntax Help –ikkunasta pääsee nyt klikkaamaan linkkien kautta
  - Googleen (oletus)
  - SAS Supportiin

```
proc report data=sashelp.shoes;  
column Product Sales;  
run;
```

Keyword: RUN

Context: [GLOBAL STATEMENT] RUN statement

Syntax: RUN <CANCEL>;

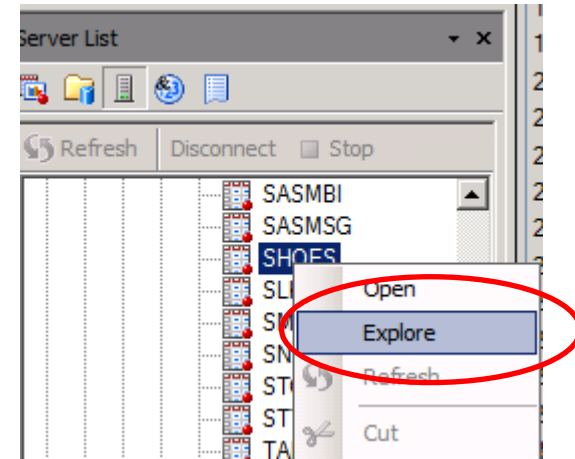
Executes the previously entered SAS statements.

Search: The Product Documentation, Samples & SAS Notes, Papers

The screenshot shows the SAS Support website interface. At the top, there are navigation tabs: support.sas.com, Knowledge Base, Support, Training & Bookstore, Happenings, and Support Community. Below this is a search bar with the text "SEARCH /". To the left of the search results is a "Subset Results by:" section with a tree view. The "Documentation (918)" link is circled in red. To the right of the search bar is a search input field containing "RUN STATEMENT" and buttons for "Standard Search" and "Advanced Search". Below the search bar, it says "1 - 25 of top 500 results for 'RUN STATEMENT'". There are two search results listed, both dated 2013-07-08. The first result is titled "RUN Statement" and is from the "SAS/OR(R) 12.3 User's Guide: Mathematical P". The second result is titled "RUN Statement" and is from the "Base SAS(R) 9.4 Procedures Guide: High-Perf".

# Data Explorer työkalu 1/4

- Dataa voi tarkastella alustavasti tuomatta sitä projektiin
- Rivien suodatus ja järjestäminen (filter, sort), muuttujavalinta, statistiikka
- Hyödyllisen näkymän voi lopulta tallettaa Prosessidiagrammiin (process flow)



# Data Explorer työkalu 2/4

The screenshot displays the SHOES Data Explorer interface. A data table is visible with columns: Region, Product, Subsidia, Stores, Sales, Inventory, and Returns. A 'Selected Columns' dialog box is open, allowing users to select columns from a list of available columns (Region, Product, Sales, Inventory, Returns) to include in the data view. The 'Pending Updates' panel on the right shows a list of updates, including 'Custom Select', 'Product is in the list ('Men's Dress', 'Women's Dress')', and 'Sales is sorted smallest to largest'. The 'Properties' panel at the bottom right shows the current view settings: Rows: 395, Columns: 7, Created: 5/24/2011 2:40:35 PM, and Modified: 5/24/2011 2:40:35 PM.

Region	Product	Subsidia	Stores	Sales	Inventory	Returns
Africa	Sandal	Addis Ababa	10	\$62,819	\$204,284	\$1,861
Africa	Slipper					\$1,771
Africa	Sport Shoe					\$79
Africa	Women's Casual					\$940
Africa	Women's Dress					\$3,233
Africa	Boot					\$710
Africa	Men's Casual					\$2,221
Africa	Men's Dress					\$3,621
Africa	Sandal					\$1,530
Africa	Slipper					\$1,823
Africa	Sport Shoe					\$168
Africa	Women's Dress					\$2,690
Africa	Boot					\$229
Africa	Men's Casual					\$9,424
Africa	Men's Dress					\$97
Africa	Sandal					\$598
Africa	Slipper					\$1,216
Africa	Sport Shoe					\$44
Africa	Women's Casual					\$10,124
Africa	Women's Dress					\$745
Africa	Boot	Johannesburg	14	\$8,365	\$33,011	\$483
Africa	Sandal	Johannesburg	13	\$17,337	\$63,003	\$809
Africa	Slipper	Johannesburg	12	\$39,452	\$130,025	\$1,565



# Data Explorer työkalu 3/4

The screenshot displays the SHOES Data Explorer interface. At the top, a red circle highlights the 'Add to Process Flow' button. Below this is a table with columns 'Region', 'Product', and 'Sales'. A 'Process Flow' window is overlaid, showing a sequence of steps: SHOES, Query Builder, and QUERY\_FOR... The 'Properties' panel at the bottom right shows 'Rows: 101', 'Columns: 3', and creation/modification dates.

	Region	Product	Sales
1	Asia	Men's Dress	\$3,033
2	Africa	Men's Dress	\$4,051
3	Pacific	Men's Dress	\$4,221
4	Pacific	Women's Dress	
5	Pacific	Men's Dress	
6	Africa	Women's Dress	
7	Africa	Men's Dress	
8	Western Europe	Women's Dress	
9	Western Europe	Men's Dress	
10	Canada	Women's Dress	
11	Canada	Men's Dress	
12	Africa	Women's Dress	
13	South America	Men's Dress	
14	Africa	Men's Dress	
15	Western Europe	Women's Dress	
16	South America	Women's Dress	\$21,261
17	South America	Women's Dress	\$21,434
18	South America	Women's Dress	\$21,436
19	Pacific	Women's Dress	\$21,486
20	South America	Men's Dress	\$23,117
21	Western Europe	Men's Dress	\$26,888

Process Flow: SHOES → Query Builder → QUERY\_FOR...

Properties: Rows: 101 Columns: 3 Created: 10/24/2013 6:43:04 PM Modified: 10/24/2013 6:43:04 PM

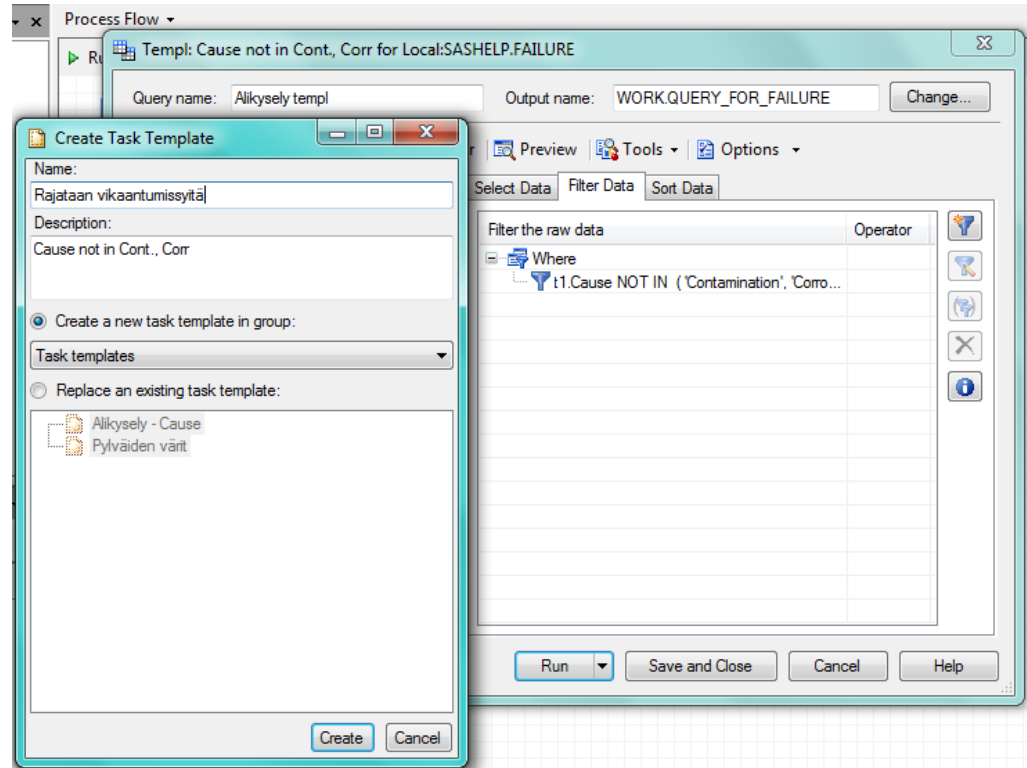
# Data Explorer työkalu 4/4

The screenshot shows the Microsoft Data Explorer interface. On the left, the column list includes 'Character (3)', 'Numeric (1)', and 'Currency (3)', each circled in red. The 'Select Statistics' dialog box is open, showing options for various data types. The table on the right has columns for 'Product', 'Percentage', and 'Cumulative Percentage'.

Product	Percentage	Cumulative Percentage
	13.16	13.16
	13.16	26.33
	12.91	39.24
	12.91	52.15
	12.66	64.81
	12.41	77.22
	11.39	88.61
5 Men's Casual	45	100.00

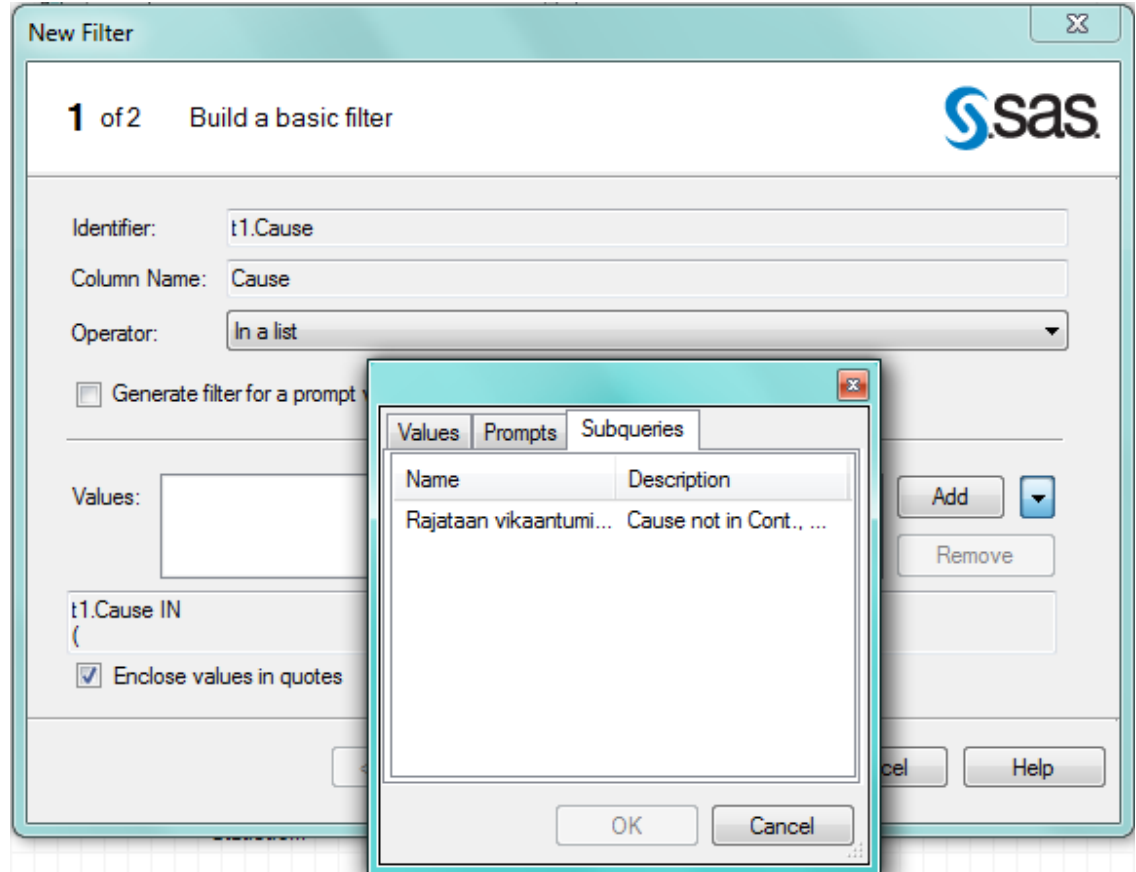
# Alikyselyt (Subqueries) 1/2

- Toiseen SQL-kyselyyn upotettu kysely
- EG:ssa käytössä Query Builder – työkalusta tallennettavalla ajopohjalla (template)



# Alikyselyt (Subqueries) 2/2

- Ajopohjan tuloksena oltava yhden sarakkeen arvot
- Pohjaa käytetään rajaamaan dataa tai johdettujen muuttujien muodostamiseen



# Muita uusia ominaisuuksia

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- Datan saa siirrettyä Exceliin xlsx-muotoisena
- SAS Web Report Studio raportin saa päivitettyä Enterprise Guidesta käsin
- Tiilikuvion (Tile Chart) saa tehtyä erikseen valitun muuttujan arvoille (BY-statement)
- Enterprise Guide on nyt saatavilla myös 64-bittisenä versiona

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