

Calendar in SAS VA

Tove Eilertsen



Calendar in SAS VA



Variabler i tabellen

From the variable Rundate

- Lage en numerisk variable av tid i fra 00,01 til 23,99
- Lage en Day of Week (num)
- Lage en Custom Category -use Day of Week (char)
- Create Month (Dateformat MMMYYYY)
- Year (Calculated Item Year)
- Week (Calculated Item Week)

Custom Category Day of WEEK



Create Crosstab

Data Roles

Crosstab - Batch job name 1

Columns

- Batch job name
- Day in Week
- + Add

Rows

- RunMonth
- Week
- + Add

Measures

- End time hour.minutes
- + Add

Display Rules

Crosstab - Batch job name 1

+ New rule

Measure - End time hour.minutes

End time hour.minutes

abc End time hour.minutes BetweenIn...

End time hour.minutes

abc End time hour.minutes < 8.3

End time hour.minutes

abc End time hour.minutes >= 12

Display Rules

Edit Display Rule

End time hour.minutes

Operator:
≤x≤

Min:
8.3

Max:
11.9

Specify Intersections

Format:
Avenir Next B I U

Background color:
■

Placement:
End time hour.minutes

Allow alerts for this rule

OK Cancel

Edit Display Rule

End time hour.minutes

Operator:
<

Value:
8.3

Specify Intersections

Format:
Avenir Next B I U

Background color:
■

Placement:
End time hour.minutes

Allow alerts for this rule

OK Cancel

Edit Display Rule

End time hour.minutes

Operator:
>=

Value:
12

Specify Intersections

Format:
Avenir Next B I U

Background color:
■

Placement:
End time hour.minutes

Allow alerts for this rule

OK Cancel

From SAS VA REPORT - FrontPage

Calendar in SAS VA

2020 2021 RunMonth

Calendar in SAS VA

Batch job name		DRH_Prime_Completed						
Day in Week		1. Monday	2. Tuesday	3. Wednesday	4. Thursday	5. Friday	6. Saturday	7. Sunday
RunMonth	Week							
Sep2022	35				7.15	6.23	6.00	
	36		7.10	10.57	6.25	6.16	6.41	
	37		11.57	11.20				
Aug2022	31		11.38	6.59	6.43	6.22	12.54	
	32		7.35	12.42	7.29	6.25	10.59	
	33		13.22	6.47	6.44	6.35		
	34	9.25	7.54	6.58	6.39	6.51	7.23	
	35		12.19	6.59				
Jul2022	26					7.05	9.18	
	27		7.41	7.30	6.53	13.59	6.50	
	28		7.08	6.37	6.24	6.56	7.07	
	29		7.33	6.26	6.20	6.20	6.13	
	30		10.37	6.45	6.42	6.24	7.26	

Red: Data delivered after 1200
 Amber: Data delivered between 0830 and 1200
 Green: Data delivered before 0830

From SAS VA REPORT - Step 1

- Create Day of Week from Time (Numeric)
- Create Custom Category Day in week (Text)
- Create Year (YearFunction)
- Create Month (Format MMMYYYY)
- Create week (WeekFunction)
- Use Runtime datetime
- Row Heading light gray
- Background Cells Light Gray
- Rest white

Day in Week ▲	1. Monday	2. Tuesday	3. Wednesday	4. Thursday	5. Friday	6. Saturday	7. Sunday
	Time	Time	Time	Time	Time	Time	Time
	71.27	392.68	376.26	361.20	355.10	300.58	12.57

From SAS VA REPORT - Example 1

2022 2021 Month_

Calendar in SAS VA

Day in Week		1. Monday	2. Tuesday	3. Wednesday	4. Thursday	5. Friday	6. Saturday
Month_	Week	Time	Time	Time	Time	Time	Time
Sep2022	35	.	.	.	7.15	6.23	6.00
	36	.	7.10	10.57	6.25	6.16	6.41
	37	.	11.57	11.20	9.54	13.06	10.02
	38	.	8.23	5.54	6.11	.	.
Aug2022	31	.	11.38	6.59	6.43	6.22	12.54
	32	.	7.35	12.42	7.29	6.25	10.59
	33	.	13.22	6.47	6.44	6.35	.
	34	9.25	7.54	6.58	6.39	6.51	7.23
	35	.	12.19	6.59	.	.	.
Jul2022	26	.	.	.	.	7.05	9.18
	27	.	7.41	7.30	6.53	13.59	6.50
	28	.	7.08	6.37	6.24	6.56	7.07

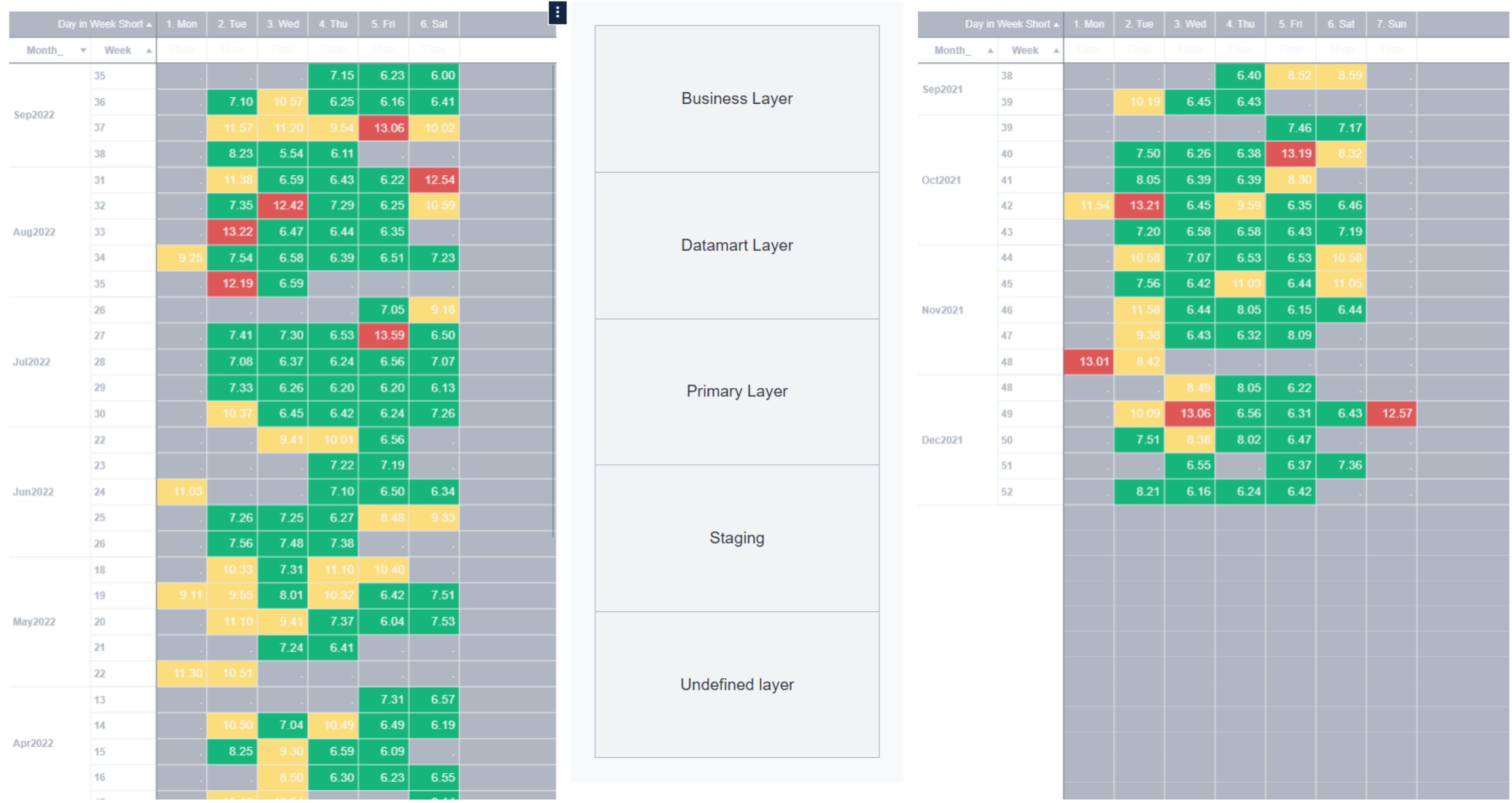
Red: Data delivered after 1200
Amber: Data delivered between 0830 and 1200
Green: Data delivered before 08:30

From SAS VA REPORT - Example Heat Map

2022 2021 Month_

Day in Week		1. Monday	2. Tuesday	3. Wednesday	4. Thursday	5. Friday	6. Saturday
Month_	Week	Time	Time	Time	Time	Time	Time
Sep2022	38	.	8.23	5.54	6.11	.	.
	37	.	11.57	11.20	9.54	13.06	10.02
	36	.	7.10	10.57	6.25	6.16	6.41
	35	.	.	.	7.15	6.23	6.00
Aug2022	35	.	12.19	6.59	.	.	.
	34	9.25	7.54	6.58	6.39	6.51	7.23
	33	.	13.22	6.47	6.44	6.35	.
	32	.	7.35	12.42	7.29	6.25	10.59
	31	.	11.38	6.59	6.43	6.22	12.54
Jul2022	30	.	10.37	6.45	6.42	6.24	7.26
	29	.	7.33	6.26	6.20	6.20	6.13
	28	.	7.08	6.37	6.24	6.56	7.07
	27	.	7.41	7.30	6.53	13.59	6.50
	26	.	.	.	.	7.05	9.18
	Jun2022	26	.	7.56	7.48	7.38	.
25		.	7.26	7.25	6.27	8.48	9.33

From SAS VA REPORT - Example - two years



From SAS VA REPORT - Example with 9 periods

2022

2022

Day in Week Short		6. Sat	5. Fri	4. Thu	3. Wed	2. Tue	1. Mon
Month_	Week	Time	Time	Time	Time	Time	Time
Jan2022	0	7.30					
	1		6.41	6.40			
	2	6.39	6.27	6.50	6.57	9.44	
	3	6.10	6.05	6.02	7.13	9.01	
	4	6.56	6.50	6.36	8.17	7.23	
	5						

Day in Week Short		2. Tue	3. Wed	4. Thu	5. Fri	6. Sat
Month_	Week	Time	Time	Time	Time	Time
Apr2022	15	8.25	9.30	6.59	6.09	
	14	10.50	7.04	10.49	6.49	6.19
	16		8.50	6.30	6.23	6.55
	13				7.31	6.57
	17	10.19	10.54			8.14

Day in Week Short		2. Tue	3. Wed	4. Thu	5. Fri	6. Sat
Month_	Week	Time	Time	Time	Time	Time
Jul2022	26				7.05	9.18
	27	7.41	7.30	6.53	13.59	6.50
	28	7.08	6.37	6.24	6.56	7.07
	29	7.33	6.26	6.20	6.20	6.13
	30	10.37	6.45	6.42	6.24	7.26

Day in Week Short		1. Mon	2. Tue	3. Wed	4. Thu	5. Fri	6. Sat
Month_	Week	Time	Time	Time	Time	Time	Time
Feb2022	5		8.44	8.15		6.22	
	6	6.03	8.20	7.17	6.03	6.15	6.35
	7		8.08	6.52	9.12	6.39	6.45
	8		7.10	6.41	6.25	6.12	7.16

Day in Week Short		1. Mon	2. Tue	3. Wed	4. Thu	5. Fri	6. Sat
Month_	Week	Time	Time	Time	Time	Time	Time
May2022	18		10.33	7.31	11.10	10.40	
	19	9.11	9.55	8.01	10.32	6.42	7.51
	20		11.10	9.41	7.37	6.04	7.53
	21			7.24	6.41		
	22	11.30	10.51				

Day in Week Short		1. Mon	2. Tue	3. Wed	4. Thu	5. Fri	6. Sat
Month_	Week	Time	Time	Time	Time	Time	Time
Aug2022	31		11.38	6.59	6.43	6.22	12.54
	32		7.35	12.42	7.29	6.25	10.59
	33		13.22	6.47	6.44	6.35	
	35		12.19	6.59			
	34	9.25	7.54	6.58	6.39	6.51	7.23

Day in Week Short		2. Tue	3. Wed	4. Thu	5. Fri	6. Sat
Month_	Week	Time	Time	Time	Time	Time
Mar2022	9		8.48	6.34	7.54	6.28
	10		7.50	7.31	7.26	7.16
	11	9.36	9.39	6.29	6.25	6.04
	12	10.32	8.53	7.46	6.56	8.11
	13		7.28	7.00		

Day in Week Short		1. Mon	2. Tue	3. Wed	4. Thu	5. Fri	6. Sat
Month_	Week	Time	Time	Time	Time	Time	Time
Jun2022	22			9.41	10.01	6.56	
	23				7.22	7.19	
	24	11.03			7.10	6.50	6.34
	25		7.26	7.25	6.27	8.48	9.33
	26		7.56	7.48	7.38		

Day in Week Short		2. Tue	3. Wed	4. Thu	5. Fri	6. Sat
Month_	Week	Time	Time	Time	Time	Time
Sep2022	35			7.15	6.23	6.00
	36	7.10	10.57	6.25	6.16	6.41
	37	11.57	11.20	9.54	13.06	10.02
	38	8.23	5.54	6.11		

From SAS VA REPORT - Example with 9 periods

2022

2022

Day in Week Short ▲		1. Mon	2. Tue	3. Wed	4. Thu	5. Fri	6. Sat
Month_ ▲	Week ▲	Time	Time	Time	Time	Time	Time
Jan2022	0	-	-	-	-	-	7.30
	1	-	-	-	6.40	6.41	-
	2	-	9.44	6.57	6.50	6.27	6.39
	3	-	9.01	7.13	6.02	6.05	6.10
	4	-	7.23	8.17	6.36	6.50	6.56
...							
Feb2022							
Mar2022							
Apr2022							
May2022							
Jun2022							
Jul2022							
Aug2022							
Sep2022							

 entercard