# PEMBANGUNAN DASHBOARD

## TOPIK PERBINCANGAN

1. Struktur asas papan pemuka

2. Penggunaan tables & charts

3. Penggunaan formula asas

 Tips mudah untuk mengawal papan pemuka



Charting
Excel Tables
Formula
Formatting



#### DESIGN >> Less is MORE



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1	Car ID	Notes	Date Purchased	Notes	Location	Notes	Manufacture Date	Notes	Make	Notes	Model	Notes	Variant	Notes	Transmission	Notes	Colour	Notes	Economy	Notes	Has the car bee
2	261	Ex1	02/07/1905	Age1	UK	here	12/12/2015		VW		Golf		Diesel		Auto		Black		60mpg		No
3	261	Ex2	03/07/1905	Age2	Germany	here2	2010		VW		Golf		Petrol		Manual		Red		40mpg		Yes
	261	Ex3	04/07/1905	Age3	Spain		2011		Seat		Leon		Diesel		Auto		Green		30mpg		Yes
	261	En4	05/07/1905	Age4	Italy		2012		Fiat		500		Petrol		Auto		White		60mpg		Yes
	261	Ex5	06/07/1905	Age5	France		2013		Renault		Clio		Petrol		Auto		Blue		40mpg		Yes
	261	Ex6	07/07/1905	Age6	UK		2014		Vauxhall		Corsa		Petrol		Auto		White		30mpg		Yes
	261	Ex7	08/07/1905	Age7	UK		2015		Vauxhall		Ampera		Petrol		Auto		Black		60mpg		Yes
	261	Ex8	09/07/1905	Age8	UK		2016		Vauxhall		Corsa		Diesel		Auto		Red		40mpg		Yes
	262	0.0	10/07/1905	Age9	Germany		2010		Audi		A2		Petrol		Auto		Red		30mpg		Yes
	262	Ex10	11/07/1905	Age10	Germany		2010		VW		Golf		Petrol		Manual		Red		30mpg		Yes
	262	Ex11	12/07/1905	Age11	Germany		2011		Audi		A1		Petrol		Manual		White		60mpg		Yes
	262	Ex12	13/07/1905	Age12	Germany		2012		Audi		A3		Petrol		Manual		White		40mpg		No
	262	Ex13	14/07/1905	Age13	Germany		2013		Audi		A3		Petrol		Manual		Blue		30mpg		No
	262	Ex14	15/07/1905	Age14	Germany		2014		Audi		A3		Petrol		Manual		Green		60mpg		No
	262	Ex15	16/07/1905	Age15	Germany		2015		VW		A7		Petrol		Manual		Blue		40mpg		No
	262	Ex16	17/07/1905	Age16	Germany		2016		VW		Q7		Diesel		Manual		Black		30mpg		No
	262	Ex17	18/07/1905	Age17	Germany		2016		VW		0.5		Diesel		Manual		White		30mpg		No
	262	Ex18	19/07/1905	Age18	Germany		2010		VW		Polo		Petrol		Auto		White		60mpg		No
	263	Ex19	20/07/1905	Age19	Germany	here3	2010		Audi		A5		Petrol		Auto		White		40mpg		No
	263	Ex20	21/07/1905	Age 20	UK		2011		Audi		AS		Diesel		Auto		White		30mpg		Yes
	263	Ex21	22/07/1905	Age21	UK		2012		VW		Passat		Petrol		Auto		Red		60mpg		Yes
	263	Ex22	23/07/1905	Age22	UK		2013		Vauxhall		Vectra		Petrol		Manual		Blue		40mpg		Yes
	263				UK		2014		Vauxhall		Astra		Diesel		Auto		Black		30mpg		Yes
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"1"	"Wy first #tsql2sday post: Tuesday #36 - what Community Means to a Newbie http://t.co/98EAmCsR #SQLFamily #SQLPass" FALSE NA 2
"2"	"dsqlpto Thank you very much #sqlpass" FALSE NA 2012-11-13 07:16:19 FALSE "266677990715432964" "268250928824594433" N
"3"	"@bellna Thank you for coming to my session #sqlpass" FALSE NA 2012-11-13 07:11:20 FALSE "266677294502932481" "26824967
141	"RT @CalvinFerns #SQLpass is coming back to bite me :( #Jetlag «-You're not alone, my friend Community jetlag!" FALSE NA 2
"5"	"Canadian Blogger: Demystifying T-SQL Subqueries-Part I: when I teach SQL Server Development/T-SQL cours http://t.co//GLfWTSu #sqlpass
6	RT 0sqlpass: 0colinstasiuk The #summiti2 recordings should be up in about a week; will be sure to announce here. #sqlpass: FALSE N
020	"RT Brob_Farley: Blogged about escipass esummitiz reflections http://t.co/9JTMEa/0" FALSE NA 2012-11-13 06:12:51 FALSE N
8	<pre>@Sqlpass, @nok1aus, pass summit N8_photos http://t.co/g9amarm4_#Summit12_#Sqlpass #Nok1a FALSE NA 2012-11-13 06:09:5/ F</pre>
	Blogged about #sqlpass #summit12 reflections http://t.co/9JIMEA/0 FALSE NA 2012-11-13 00:09:39 FALSE NA 20823414
10	New blog post about my #SqLPass experiance nttp://t.co/scdHwxS1 #Hirstinmers FALSE NA 2012-11-13 US:16:27 FALSE NA
111	Analysing #SQLPASS IWeets using NODEXL http://t.co/kixUj9to via @jecnnitrain FALSE NA 2012-11-13 05:15:59 FALSE NA
112	where a car is we want our received wants for carring the other your wing at moderass guys, we great to neet you and not we we wint catching again
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"17"	"#I reason to visit Pass community Zone: Gearkysol junging hear han chairs http://t.co/r&kdowng #solpass" EalSE NA 2012-11-1
"18"	"+1 Talent! #T @thedouglane: #1 reason to visit PASS community Zone: @markysol juggling hear hag chairs, http://t.co/GhE7xiih #sglpass" E
"19"	"RT RDBargenis: [BLOG] DBA Best Practices: A Blog Series - Introduction http://f.co/lzurblyh #S0LBlog #S0LServer #S0LEamly #S0LPASS" E
"20"	"Londed in CIT from Brainer groundell to realize I lafe my wedding at the TCA charlesing in CTA of Forest for that The war a CBEAT work
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1489"	and the crowl do that's doal kind scalarse" Fails has 2012-11-10 00:03:46 Fails has "267054907830439936" N
'1490"	"BT @BeThereGlobal: 18,000 hours of video streamed to 3.5 thousand unique viewers #passty #solpass #summit2012 Thanks for watching!"
1491	"#solpass thanks to all organizers and volunteers for great PASS Summit 2012" EALSE NA 2012-11-10.00:03:05 EALSE NA
'1492"	"Well, all week long at #solpass I hear how great #Azure is at this or how wonderful #azure can do that! #Azure, #Azure, #Azure! #bradyb
'1493"	"Last session of #sglpass #sadtrombone" FALSE NA 2012-11-10 00:02:22 FALSE NA "267054556339384320" NA "&lta hr
'1494"	"Don't have a duration filter on a server side trace when looking for error and warnings, #sqlpass #sqlsluth" FALSE NA 2012-11-1
'1495"	"#sq1pass <u+3042><u+306e><u+589f><u+884c><u+8a08><u+7538><u+307f><u+305f><u+3044><u+306a><u+30c8><u+30fc><u+30fc><u+3089><u+307f><u+305f< th=""></u+305f<></u+307f></u+3089></u+30fc></u+30fc></u+30c8></u+306a></u+3044></u+305f></u+307f></u+7538></u+8a08></u+884c></u+589f></u+306e></u+3042>
'1496''	"+1 RT @Aaronmertrand Great seeing all my #sqlfamily and thanks to @sqlpass for another great event. #sqlpass #summit12" FALSE N
1497	"My boss is going to hate it when the #sqlpass #summiti2 videos come it. My time will be consumed watching all of the sessions I missed."
1498	"RT @Vendoran: Dr Dewitt followed by @SQL_Kiwi - it burns it burns #sqlpass #summit12" FALSE NA 2012-11-09 23:58:54 F.
1499	"RT @mikeLynn: OH: Balanced power is like having an old lady drive your server. Get CPU-Z to see who is driving your server. #sqlpass" F
1200.	<pre>KI UDBArgenis: [BLUG] UBA BEST Practices: A BIOG Series - Introduction http://t.co/KUVDMo9Y #SQLBIog #SQLServer #SQLFamily #SQLPASS" F.</pre>

#### <?xml version="1.0" encoding="UTF-8"?> <?xml-stylesheet type="text/xsl" href="scribus-manual.xsl"?>

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- <submenuitem text="Specification" file="specs.html"/> </area>
- <area text="Documentation" file="intro.html">
- <submenuitem text="Introduction" file="documentation.html"> <submenuitem text="Editorial Notes" file="editorial.html"/>
  <submenuitem text="About the Team" file="about1.html"/>
- </submenuitem>
- <submenuitem text="Setup" file="config.html"> <submenuitem text="Configuring Scribus" file="settings1.html"/>
- <submenuitem text="Hyphenation and Spellchecking" file="hyphenator.html"/>
  <submenuitem text="Font Setup" file="fonts1.html"/>
- <submenuitem text="Fonts in Depth" file="fonts2.html"/> </submenuitem>
- <submenuitem text="Command Line Reference" file="cli.html" />
- <submenuitem text="Keyboard Shortcuts" file="keys.html"/>
- <submenuitem text="Mouse Shortcuts" file="mouse.html"/>
- <submenuitem text="Document Information" file="docinfo.html" />
  <submenuitem text="Working with Frames" file="WwFrames.html" />
- <submenuitem text="Working with Frames File="WwFrames.html" />
- <submenuitem text="Text Properties" file="TextProp.html" />
- <submenuitem text="Search and Replace" file="SearchReplace.html" />
- <submenuitem text="Working with Styles" file="WwStyles.html" />
  <submenuitem text="Working with Images" file="WwImages.html" />



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### Tabular Format – Excel Table

	А	В	с	D	E	F	G	н	1	J	К	L	м
1	visitor type	visit count	source	country	date	visitors	new visits	percent new visits	bounces	entrance bounce rate	time on site	avg time on site	
2	New Visitor	1	(direct)	(not set)	2/1/2014	1	1	100	1	. 100	0	0	
3	New Visitor	1	(direct)	(not set)	6/1/2014	1	1	100	1	. 100	0	0	
4	New Visitor	1	(direct)	(not set)	7/1/2014	1	1	100	C	) C	65	65	
5	New Visitor	1	(direct)	(not set)	8/1/2014	1	1	100	C	C	13	13	
6	New Visitor	1	(direct)	(not set)	19/1/2014	2	2	100	2	100	C	0	
7	New Visitor	1	(direct)	(not set)	21/1/2014	2	2	100	2	100	0	0	
8	New Visitor	1	(direct)	(not set)	22/1/2014	1	1	100	1	. 100	0	0	
9	New Visitor	1	(direct)	(not set)	23/1/2014	1	1	100	C	C	349	349	
10	New Visitor	1	(direct)	(not set)	4/2/2014	1	1	100	1	. 100	0	0	
11	New Visitor	1	(direct)	(not set)	25/2/2014	1	1	100	1	. 100	0	0	
12	New Visitor	1	(direct)	(not set)	27/2/2014	1	1	100	C	C	132	132	
13	New Visitor	1	(direct)	(not set)	11/3/2014	1	1	100	1	. 100	0	0	
14	New Visitor	1	(direct)	(not set)	12/3/2014	1	1	100	C	C	215	215	
15	New Visitor	1	(direct)	(not set)	14/3/2014	1	1	100	1	. 100	0	0	
16	New Visitor	1	(direct)	(not set)	19/3/2014	1	1	100	C	) (	131	131	
17	New Visitor	1	(direct)	(not set)	23/3/2014	1	1	100	C	C	51	51	
18	New Visitor	1	(direct)	(not set)	25/3/2014	1	1	100	C	C	1769	1769	
19	New Visitor	1	(direct)	(not set)	4/4/2014	1	1	100	C	) C	803	803	
20	New Visitor	1	(direct)	(not set)	12/4/2014	1	1	100	C	C	989	989	
21	New Visitor	1	(direct)	(not set)	13/4/2014	1	1	100	C	C	48	48	
22	New Visitor	1	(direct)	(not set)	15/4/2014	1	1	100	C	C	196	196	
23	New Visitor	1	(direct)	(not set)	16/4/2014	1	1	100	C	C	278	278	
24	New Visitor	1	(direct)	(not set)	17/4/2014	1	1	100	1	. 100	0	0	
25	New Visitor	1	(direct)	(not set)	23/4/2014	1	1	100	1	. 100	C	0	
26	New Visitor	1	(direct)	(not set)	24/4/2014	2	2	100	2	100	C	0	
27	New Visitor	1	(direct)	(not set)	3/5/2014	1	1	100	C	C	25	25	
28	New Visitor	1	(direct)	(not set)	7/5/2014	1	1	100	C	C	3927	3927	
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1 visitor type 💌 visi	t count 🔻 source		country	▼ date ▼	visitors	Connection n	20201			<b>_</b> time	e on
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3 New Visitor	1 (direct)		(not set)	6/1/2014			k s Duta Model			-10	
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6 New Visitor	1 (direct)		(not set)	10/1/2014		<u>N</u> ew Worksheet				0	
7 New Visitor	1 (direct)		(not set)	21/1/2014		<u>Existing Workshee</u>	et			- 10	
8 New Visitor	1 (direct)		(not set)	22/1/2014		Location:			1		
9 New Visitor	1 (direct)		(not set)	23/1/2014		Choose whether you wa	ant to analyze multiple t	ables		0	
10 New Visitor	1 (direct)		(not set)	4/2/2014		Add this data to th	ae Data Model			10	
11 New Visitor	1 (direct)		(not set)	25/2/2014			ie Data Model			0	
12 New Visitor	1 (direct)		(not set)	27/2/2014				ОК	Cancel	0	
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15 New Visitor	1 (direct)		(not set)	14/3/2014		1 1	100	1		100	
16 New Visitor	1 (direct)		(not set)	19/3/2014		1 1	100	0		0	
17 New Visitor	1 (direct)		(not set)	23/3/2014		1 1	100	0		0	
18 New Visitor	1 (direct)		(not set)	25/3/2014		1 1	100	0		0	
19 New Visitor	1 (direct)		(not set)	4/4/2014	•	1 1	100	0		0	
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3 Row Labels	<ul> <li>Sum of visit count S</li> </ul>	um of visitors S	ium of bounce	s	Por <u>m</u> ula: - 5	ounces/ visitors		De	lete	a												
4 Jan	926	1696	92	6	Colds.													_				
5 Feb	819	1602	92	9	visitor type		<b>^</b>	A 1	В	с	D	E	F G H	1	J	K L	м	N O	Р	Q	R	
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8 May	866	1703	95	4	country			4 Jan	926	1696	926	0.545990566	Source Name: Bounce Rate			Format Cells					7	
9 Jun	855	1656	96	8	date		_	6 Mar	1053	2084	1144	0.548944355	Custom Name: Sum of Bou	ince Rate		Number						
10 Jul	840	1664	97	6	new visits			7 Apr 8 May	879 866	1616 1703	906 954	0.560643564 0.560187904	Summarize Values By	ihow Values As		General	San					
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14 Nov	969	2229	149	9	-			14 Nov	969	2229	1499	0.672498878	Average			Scientific Text		-				
15 Dec	967	2249	154	5				15 Dec 16 Grand Total	967 10000	2249	1545	0.686971988	Min		~	Special Custom						
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Row Labels 🔻	c (1		
	Sum of bounces	Row Labels	Sum of Bounce Rate
Jan	926	Jan	55%
Feb	929	Feb	58%
Mar	1144	Mar	55%
Apr	906	Apr	56%
May	954	May	56%
Jun	968	Jun	58%
Jul	976	Jul	59%
Aug	1134	Aug	63%
Sep	1001	Sep	64%
Oct	210	Oct	60%
Nov	1499	Nov	67%
Dec	1545	Dec	69%
Grand Total	12192	Grand Total	60%





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- B8 =country!A4
- C8=GETPIVOTDATA("Sum of visitors",country!\$A\$3,"country",B18)
- D8 =GETPIVOTDATA("Sum of visitors2",country!\$A\$3,"country",B18)
- E8=REPT("|",C18/MAX(\$C\$18:\$C\$27)\*100)

H8=source!A4

I8=GETPIVOTDATA("Sum of visitors",source!\$A\$3,"source",H18)

J8=GETPIVOTDATA("Sum of visitors2",source!\$A\$3,"source",H18)

K8=REPT("|",I18/MAX(\$I\$18:\$I\$27)\*100)



## Country

- Select F1:F27
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## Nota Tambahan

### 1. Struktur Asas Papan Pemuka Analitik

Sediakan 3 worksheets untuk dashboard anda:

- (1) Data mentah,
- (2) Calculator; dan
- (3) Dashboard

Ini bertujuan untuk memudahkan anda mengawal capaian data dan fungsi pada papan pemuka.



## 1. Struktur Asas Papan Pemuka Analitik

Cara melabel sheet pada Excel:

- (1) Bawa kursor ke label sheet.
- (2) Klik kanan pada tetikus dan pop menu akan kelihatan (seperti rajah).
- (3) Pilih rename, dan anda boleh memberi label Baharu pada sheet.
- (4) Klik "+" jika anda ingin menambah sheet lain.

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#### 2. Tables & Charts

#### Table / Jadual

Jadual boleh direkabentuk secara manual ataupun menggunakan kaedah lebih cepat (pivot table).

- Kaedah manual memerlukan anda menyelit formula, tetapi
- Pivot table membantu anda membina jadual dengan lebih mudah.
- Begitu juga dengan charts ia boleh dipilih secara manual mahupun menggunakan pivot charts.

#### 2. Tables - manual

#### Set Formula

"fx" – merupakan singkatan untuk menyelit formula pada suatu sel. Excel menyediakan pelbagai jenis formula untuk anda.





## 2. Tables – pivot table

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#### AKTIVITI

Sila bina jadual anda.

## Pilihan rajah di Excel

Anda boleh memilih elemen (rajah / carta) sedia ada di dalam Excel. Ia boleh diperolehi dengan langkah berikut:

- 1) Pilih ribbon INSERT, kemudian pilih menu Charts.
- 2) Excel menawarkan berikut:
  - a) Recommended Charts sesuai untuk beginner users yang ingin mendapatkan idea tentang carta yang sesuai dengan data.
  - b) Koleksi carta (column chart, bar chart, radar chart, ..., bubble chart) intermediate users biasanya memiliki idea tentang carta yang diinginkan.
  - c) PivotChart menawarkan Pembangunan carta dengan lebih efisen terutamanya untuk data bersaiz besar.

#### AKTIVITI

## Menggunakan jadual yang telah dibina, bentukkan rajah yang sesuai.

## 3. Tips Mudah Mengawal Dashboard Anda

- Kawal rajah anda dengan langkah berikut;
- 1. Klik rajah yang ingin di format.
- 2. Klik kanan pada tetikus, dan menu akan kelihatan.
- 3. Pilih Format Chart Area.
- 4. Pada Chart Options, pilih Size & Properties.
- 5. Pilih seperti di rajah.

#### SIZE

#### PROPERTIES

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- Don't move or size with cells
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