

NamesDec2nd2014.xlsm - Microsoft Excel

File Home Insert Page Layout Formulas Data Review View Developer JMP

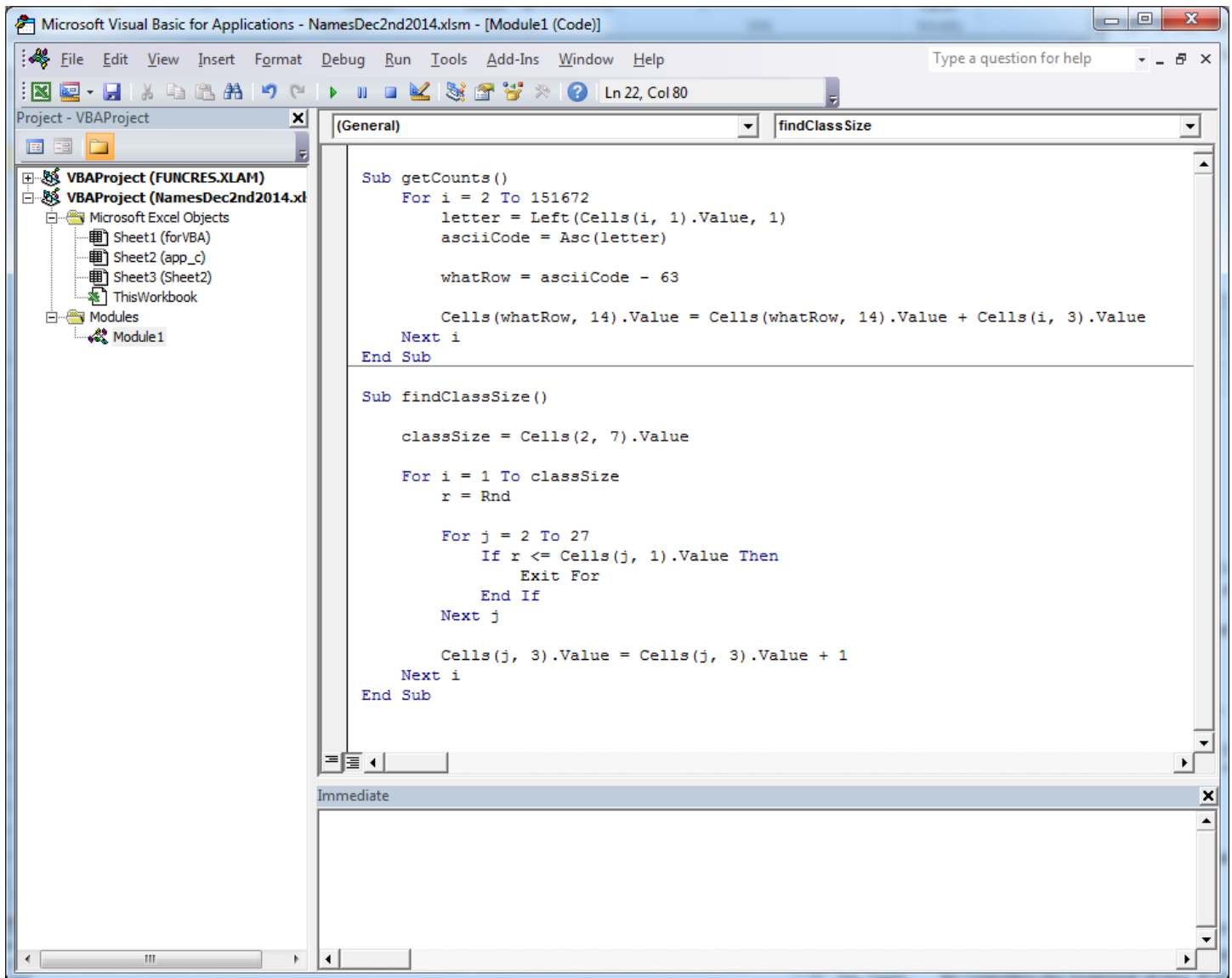
Clipboard Font Alignment Number Styles Cells Editing

R2

	A	B	C	L	M	N	O	P	Q	R	S
1	name	rank	count		Letter	Count	Probability	Cumulative Prob			
2	SMITH	1	2376206		A	8,617,817.00	0.035593007	0.035593007			
3	JOHNSON	2	1857160		B	21,285,846.00	0.087914058	0.123507065			
4	WILLIAMS	3	1534042		C	18,630,332.00	0.076946347	0.200453411			
5	BROWN	4	1380145		D	11,089,507.00	0.045801495	0.246254906			
6	JONES	5	1362755		E	4,520,985.00	0.018672414	0.26492732			
7	MILLER	6	1127803		F	8,354,878.00	0.034507025	0.299434345			
8	DAVIS	7	1072335		G	13,170,232.00	0.054395232	0.353829578			
9	GARCIA	8	858289		H	17,598,920.00	0.072686445	0.426516022			
10	RODRIGUEZ	9	804240		I	957,478.00	0.003954542	0.430470565			
11	WILSON	10	783051		J	7,326,266.00	0.030258688	0.460729253			
12	MARTINEZ	11	775072		K	7,977,033.00	0.032946463	0.493675716			
13	ANDERSON	12	762394		L	11,739,611.00	0.048486531	0.542162247			
14	TAYLOR	13	720370		M	23,264,240.00	0.096085152	0.638247399			
15	THOMAS	14	710696		N	4,490,744.00	0.018547514	0.656794913			
16	HERNANDEZ	15	706372		O	3,564,087.00	0.014720268	0.67151518			
17	MOORE	16	698671		P	11,940,851.00	0.049317686	0.720832866			
18	MARTIN	17	672711		Q	534,167.00	0.002206198	0.723039064			
19	JACKSON	18	666125		R	13,953,695.00	0.057631064	0.780670128			
20	THOMPSON	19	644368		S	23,196,818.00	0.095806688	0.876476815			
21	WHITE	20	639515		T	8,549,388.00	0.035310384	0.911787199			
22	LOPEZ	21	621536		U	535,638.00	0.002212273	0.913999472			
23	LEE	22	605860		V	3,844,406.00	0.015878031	0.929877504			
24	GONZALEZ	23	597718		W	14,192,652.00	0.058617996	0.9884955			
25	HARRIS	24	593542		X	58,417.00	0.000241272	0.988736771			
26	CLARK	25	548369		Y	1,492,913.00	0.006165977	0.994902749			
27	LEWIS	26	509930		Z	1,234,152.00	0.005097251	1			
28	ROBINSON	27	503028			242,121,073.00	1				
29	WALKER	28	501307								
30	PEREZ	29	488521								
31	HALL	30	473568								

Sheet2 forVBA app_C

Ready 100%



```
Sub getCounts ()
    For i = 2 To 151672
        letter = Left(Cells(i, 1).Value, 1)
        asciiCode = Asc(letter)

        whatRow = asciiCode - 63

        Cells(whatRow, 14).Value = Cells(whatRow, 14).Value + Cells(i, 3).Value
    Next i
End Sub

Sub findClassSize()

    classSize = Cells(2, 7).Value

    For i = 1 To classSize
        r = Rnd

        For j = 2 To 27
            If r <= Cells(j, 1).Value Then
                Exit For
            End If
        Next j

        Cells(j, 3).Value = Cells(j, 3).Value + 1
    Next i
End Sub
```

Immediate

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Visual Basic Macros Add-Ins COM Add-Ins Insert Design Mode XML Document Panel

Code Add-Ins Controls Modify

I5 fx

	A	B	C	D	E	F	G	H
1	Cum Prob	Letter	Count				Class size	
2	0.035593007	A	4				100	
3	0.123507065	B	11					
4	0.200453411	C	8					
5	0.246254906	D	5					
6	0.26492732	E	3					
7	0.299434345	F	3					
8	0.353829578	G	8					
9	0.426516022	H	6					
10	0.430470565	I	0					
11	0.460729253	J	3					
12	0.493675716	K	7					
13	0.542162247	L	5					
14	0.638247399	M	9					
15	0.656794913	N	1					
16	0.67151518	O	1					
17	0.720832866	P	4					
18	0.723039064	Q	1					
19	0.780670128	R	4					
20	0.876476815	S	8					
21	0.911787199	T	0					
22	0.913999472	U	0					
23	0.929877504	V	5					
24	0.9884955	W	2					
25	0.988736771	X	0					
26	0.994902749	Y	1					
27	1	Z	1					
28								
29								

Sheet2 forVBA app_c

Ready 100%

```
Sub getCounts()  
  For i = 2 To 151672  
    letter = Left(Cells(i, 1).Value, 1)  
    asciiCode = Asc(letter)  
  
    whatRow = asciiCode - 63  
  
    Cells(whatRow, 14).Value = Cells(whatRow, 14).Value + Cells(i, 3).Value  
  Next i  
End Sub
```

```
Sub findClassSize()  
  
  classSize = Cells(2, 7).Value  
  
  For i = 1 To classSize  
    r = Rnd  
  
    For j = 2 To 27  
      If r <= Cells(j, 1).Value Then  
        Exit For  
      End If  
    Next j  
  
    Cells(j, 3).Value = Cells(j, 3).Value + 1  
  Next i  
End Sub
```