

# Sumproduct troubleshooting (new to me)

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*Source:*

<http://www.tech-archive.net/Archive/Excel/microsoft.public.excel.programming/2008-08/msg02120.html>

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  - *Date:* Tue, 12 Aug 2008 06:52:01 -0700
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Hello,

I am trying to create a table that counts the number of instances my "lambda" value and my "temperature" value fall within a range. My lambda values are in column P and my temp values in N. I am creating a sheet as such, where I am trying to count the number of times lambda and temp fall within the range. I.E. the first count would be the number of instances lambda falls between 2 and 2.005.

Lambda Count	Lambda	Temp Count	Temp
2	20		
2.005	x 21	x	
2.01	x 22	x	
2.015	x 23	x	

This is my code so far... please help! Please look to see why this is giving me such a hard time. The error is coming in on the "LambaRange" and "TempRange" within my SumProduct function. I tried replacing them with P2:P1000, but then it highlighted the ":" and said ")" expected.

'Make Lambda and Temp Distribution Plots

Dim LambdaRange As Range  
Dim TempRange As Range

Sheets("Runlog").Select

LastRow = Cells(Rows.Count, "A").End(xlUp).Row

'Define distribution table ranges  
Ldist = 0.005  
TDist = 1  
NumLRows = (2 - 0.5) / Ddist  
NumTRows = (1500 - 20) / TDist

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'Initial lambda and temp values

```
Range("AF8").Value = 2
```

```
Range("AG8").Value = 20
```

'Define Ranges within runlog

```
Set LambdaRange = Range(Cells(1, "P"), Cells(LastRow, "P"))
```

```
Set TempRange = Range(Cells(1, "N"), Cells(LastRow, "N"))
```

'create temp and lambda table and count # of instances data fell between

ranges

```
For i = 9 To NumLRows
```

```
Range("AF" & i).Value = Range("AF" & i - 1).Value + Ldist
```

```
Range("AG" & i).Value = SumProduct((LambdaRange > _
```

```
Range("AF" & i - 1).Value) * _
```

```
(LambdaRange < Range("AF" & i).Value))
```

```
Next
```

```
For i = 9 To NumTRows
```

```
Range("AH" & i).Value = Range("AH" & i - 1).Value + TDist
```

```
Range("AI" & i).Value = SumProduct((TempRange >= _
```

```
Range("AH" & i - 1).Value) * _
```

```
(TempRange <= Range("AH" & i).Value))
```

```
Next
```

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