



EXCEL FOR LARGE DATASETS



INTRODUCTION

Excel is a spreadsheet software program developed by Microsoft.

It allows users to create, organize, and analyse data using **rows** and **columns** in a grid format.

It is used for tasks like data organization, analysis, calculation, and visualization.

It is **versatile** and widely applicable in fields ranging from business and finance to education and personal life.

Ideal for large datasets: life sciences, social sciences, engineering



INTRODUCTION

Johnatan Wright

SKILLS

Data Reporting/Analysis
Spotfire - Tableau - Informatica - R
Cognos - SSRS - Excel - VBA - Pivot tables

Project Management
JIRA - HP ALM - Sharepoint

TECHNOLOGY

Financial modeling in Excel

VBA

Pivot Tables & Advanced Reporting

Business Data Analyst

+1-709-375-8132 | name@gmail.com | Instagram.com/_NAME_

Raleigh-Durham, NC

EXPERIENCE

Skills section

Besides Excel, also list specific skills that may be part of the job ad, such as **Pivot Tables, VBA, Data Analysis Pack, etc**

Junior Data Analyst | 2015 - 2018 | Reilly Group | Raleigh-Durham, NC

Reilly Group is a global, full-service investment bank focused on growth companies, with operations in 10 countries worldwide and the ability to list companies on 10 stock exchanges.

- Worked with Excel to track and map account equity among a portfolio of some 1000 clients.
- Saved \$300K paper print per year, automated multiple business process

Experience

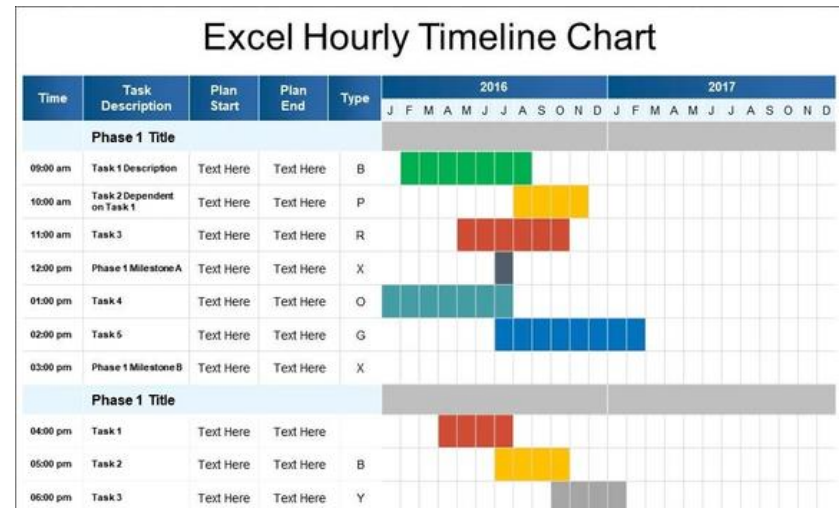
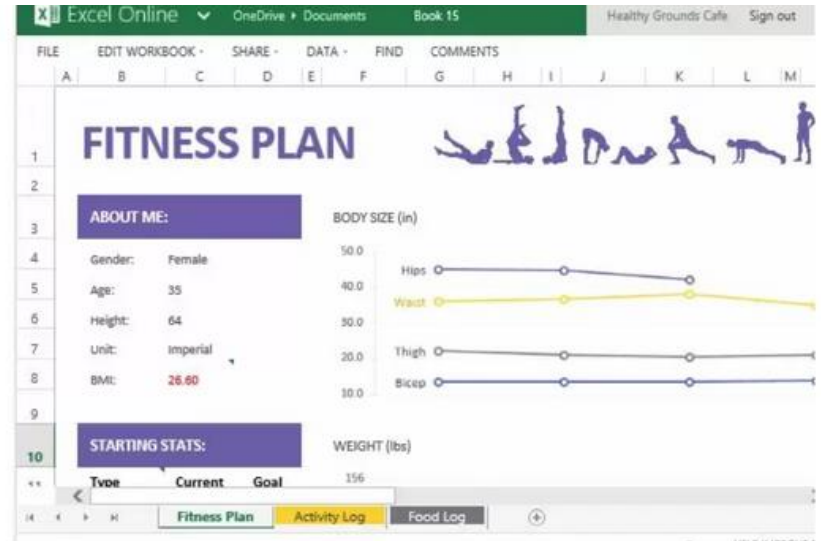
Mention that a particular task was implemented "using Excel"

Drouin S.A.R.L. | Raleigh-Durham, NC

Drouin S.A.R.L. is a regular parcel service with vision and mission to maintain high quality of services in tune with changing needs of the clientele from time to time.

Dedicated section

If MS Excel is central to the role, consider adding a dedicated section



WHAT IS A LARGE DATASET?



A **large dataset** typically refers to a substantial amount of data that may be **challenging** to **manage, process, or analyse** using traditional methods. The size of a large dataset can vary depending on the context, but it often implies a volume of information that requires specialized tools and techniques for effective handling.

by ChatGTP

WHAT IS A LARGE DATASET?

The screenshot shows an Excel spreadsheet with a large dataset. The columns are labeled A through N. The rows contain data for various sites (Suderecke 2) and dates (17/02/2023). The data includes species names (e.g., Hiskia Athin), biomass values (e.g., 256,939), and various metrics (e.g., 0.9, 0.0, 1.0). The spreadsheet is titled 'Sheet1' and has a tab labeled 'numbers | trial'.

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
1449	Suderecke 2	17/02/2023	Hiskia Athin	A	256,939	172,524	0.9	CD	31	Bare ground	0	NotApp	NotApp	NotApp	
1450	Suderecke 2	17/02/2023	Hiskia Athin	A	256,939	172,524	0.9	CD	32	Tree	0	0	0	0	
1451	Suderecke 2	17/02/2023	Hiskia Athin	A	256,939	172,524	0.9	CD	32	Shrub	0	0	0	0	
1452	Suderecke 2	17/02/2023	Hiskia Athin	A	256,939	172,524	0.9	CD	32	Short-shrub	0	0	NotApp	NotApp	
1453	Suderecke 2	17/02/2023	Hiskia Athin	A	256,939	172,524	0.9	CD	32	Forb	0	0	NotApp	NotApp	
1454	Suderecke 2	17/02/2023	Hiskia Athin	A	256,939	172,524	0.9	CD	32	Perennial grass	0	0	NotApp	NotApp	
1455	Suderecke 2	17/02/2023	Hiskia Athin	A	256,939	172,524	0.9	CD	32	Annual grass	0	0	NotApp	NotApp	
1456	Suderecke 2	17/02/2023	Hiskia Athin	A	256,939	172,524	0.9	CD	32	Litter	0	NotApp	NotApp	NotApp	
1457	Suderecke 2	17/02/2023	Hiskia Athin	A	256,939	172,524	0.9	CD	32	Bare ground	1	NotApp	NotApp	NotApp	
1458	Suderecke 2	17/02/2023	Hiskia Athin	A	256,939	172,524	0.9	CD	33	Tree	0	0	0	0	
1459	Suderecke 2	17/02/2023	Hiskia Athin	A	256,939	172,524	0.9	CD	33	Shrub	0	0	0	0	
1460	Suderecke 2	17/02/2023	Hiskia Athin	A	256,939	172,524	0.9	CD	33	Short-shrub	0	0	NotApp	NotApp	
1461	Suderecke 2	17/02/2023	Hiskia Athin	A	256,939	172,524	0.9	CD	33	Forb	0	0	NotApp	NotApp	
1462	Suderecke 2	17/02/2023	Hiskia Athin	A	256,939	172,524	0.9	CD	33	Perennial grass	0	0	NotApp	NotApp	
1463	Suderecke 2	17/02/2023	Hiskia Athin	A	256,939	172,524	0.9	CD	33	Annual grass	1	N	NotApp	NotApp	
1464	Suderecke 2	17/02/2023	Hiskia Athin	A	256,939	172,524	0.9	CD	33	Litter	1	NotApp	NotApp	NotApp	
1465	Suderecke 2	17/02/2023	Hiskia Athin	A	256,939	172,524	0.9	CD	33	Bare ground	0	NotApp	NotApp	NotApp	
1466	Suderecke 2	17/02/2023	Hiskia Athin	A	256,939	172,524	0.9	CD	34	Tree	0	0	0	0	
1467	Suderecke 2	17/02/2023	Hiskia Athin	A	256,939	172,524	0.9	CD	34	Shrub	0	0	0	0	
1468	Suderecke 2	17/02/2023	Hiskia Athin	A	256,939	172,524	0.9	CD	34	Short-shrub	0	0	NotApp	NotApp	
1469	Suderecke 2	17/02/2023	Hiskia Athin	A	256,939	172,524	0.9	CD	34	Forb	1	G	NotApp	NotApp	
1470	Suderecke 2	17/02/2023	Hiskia Athin	A	256,939	172,524	0.9	CD	34	Perennial grass	0	0	NotApp	NotApp	
1471	Suderecke 2	17/02/2023	Hiskia Athin	A	256,939	172,524	0.9	CD	34	Annual grass	1	N	NotApp	NotApp	
1472	Suderecke 2	17/02/2023	Hiskia Athin	A	256,939	172,524	0.9	CD	34	Litter	0	NotApp	NotApp	NotApp	
1473	Suderecke 2	17/02/2023	Hiskia Athin	A	256,939	172,524	0.9	CD	34	Bare ground	0	NotApp	NotApp	NotApp	
1474	Suderecke 2	17/02/2023	Hiskia Athin	A	256,939	172,524	0.9	CD	35	Tree	0	0	0	0	
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1476	Suderecke 2	17/02/2023	Hiskia Athin	A	256,939	172,524	0.9	CD	35	Short-shrub	0	0	NotApp	NotApp	
1477	Suderecke 2	17/02/2023	Hiskia Athin	A	256,939	172,524	0.9	CD	35	Forb	0	0	NotApp	NotApp	
1478	Suderecke 2	17/02/2023	Hiskia Athin	A	256,939	172,524	0.9	CD	35	Perennial grass	0	0	NotApp	NotApp	
1479	Suderecke 2	17/02/2023	Hiskia Athin	A	256,939	172,524	0.9	CD	35	Annual grass	0	0	NotApp	NotApp	
1480	Suderecke 2	17/02/2023	Hiskia Athin	A	256,939	172,524	0.9	CD	35	Litter	1	NotApp	NotApp	NotApp	
1481	Suderecke 2	17/02/2023	Hiskia Athin	A	256,939	172,524	0.9	CD	35	Bare ground	0	NotApp	NotApp	NotApp	
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1483	Suderecke 2	17/02/2023	Hiskia Athin	A	256,939	172,524	0.9	CD	36	Shrub	0	0	0	0	
1484	Suderecke 2	17/02/2023	Hiskia Athin	A	256,939	172,524	0.9	CD	36	Short-shrub	0	0	NotApp	NotApp	
1485	Suderecke 2	17/02/2023	Hiskia Athin	A	256,939	172,524	0.9	CD	36	Forb	0	0	NotApp	NotApp	
1486	Suderecke 2	17/02/2023	Hiskia Athin	A	256,939	172,524	0.9	CD	36	Perennial grass	0	0	NotApp	NotApp	
1487	Suderecke 2	17/02/2023	Hiskia Athin	A	256,939	172,524	0.9	CD	36	Annual grass	0	0	NotApp	NotApp	
1488	Suderecke 2	17/02/2023	Hiskia Athin	A	256,939	172,524	0.9	CD	36	Litter	1	NotApp	NotApp	NotApp	
1489	Suderecke 2	17/02/2023	Hiskia Athin	A	256,939	172,524	0.9	CD	36	Bare ground	0	NotApp	NotApp	NotApp	
1490	Suderecke 2	17/02/2023	Hiskia Athin	A	256,939	172,524	0.9	CD	37	Tree	0	0	0	0	
1491	Suderecke 2	17/02/2023	Hiskia Athin	A	256,939	172,524	0.9	CD	37	Shrub	0	0	0	0	
1492	Suderecke 2	17/02/2023	Hiskia Athin	A	256,939	172,524	0.9	CD	37	Short-shrub	0	0	NotApp	NotApp	
1493	Suderecke 2	17/02/2023	Hiskia Athin	A	256,939	172,524	0.9	CD	37	Forb	0	0	NotApp	NotApp	

Biomass
quantification &
machine learning
using GIS



www.omevaconsulting.com
<https://www.youtube.com/@omevaconsulting>

BASICS



BASICS



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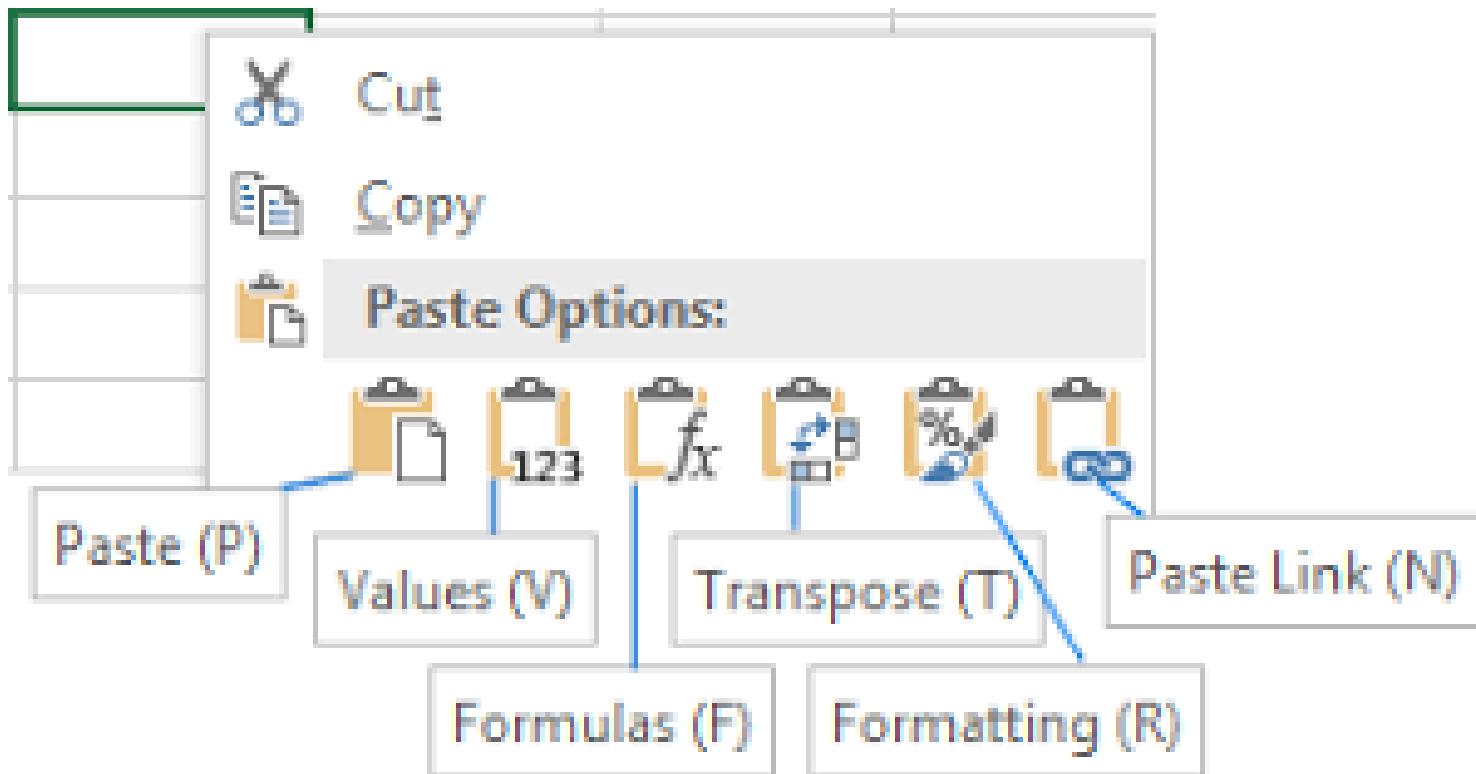
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A1				
	A	B	C	
1				
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C3				
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PASTE OPTIONS



FORMATING



 Wrap Text	General 
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BASIC EXCEL FUNCTIONS

1. SUM Function:

Adds up all the numbers in a range.

Example: `=SUM(B2:B21)`

2. AVERAGE Function:

Calculates the average of a range of numbers.

Example: `=AVERAGE(B2:B21)`

3. MAX Function:

Returns the largest number in a set of values.

Example: `=MAX(B2:B21)`

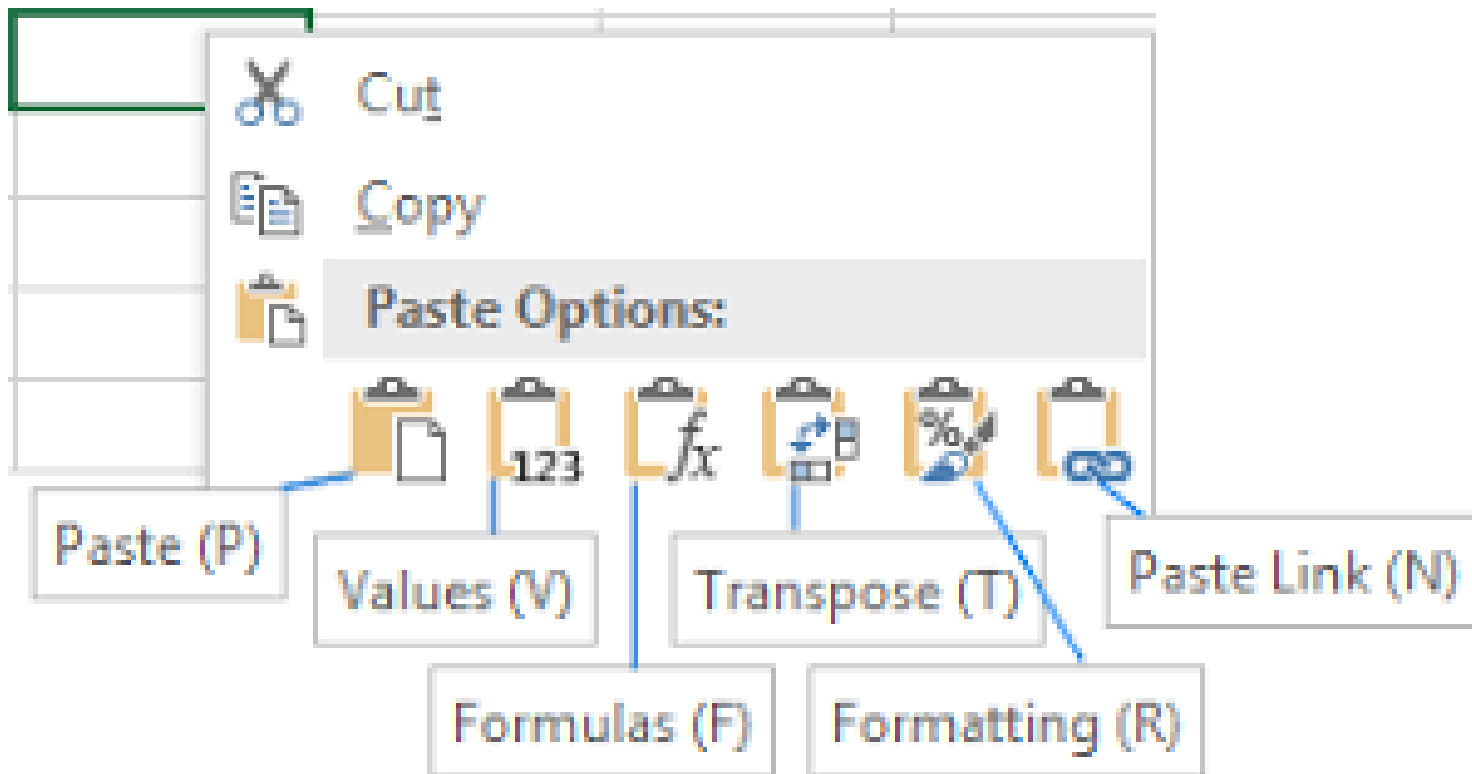
4. MIN Function:

Returns the smallest number in a set of values.

Example: `=MIN(B2:B21)`

	A	B	C
1	Participant	Farm size	
2	1	402	
3	2	303	
4	3	304	
5	4	305	
6	5	306	
7	6	304	
8	7	305	
9	8	306	
10	9	307	
11	10	308	
12	11	309	
13	12	400	
14	13	401	
15	14	305	
16	15	306	
17	16	307	
18	17	308	
19	18	309	
20	19	400	
21	20	408	
22			
23			

PASTE OPTIONS



BASIC EXCEL FUNCTIONS



1. IF Function:

IF function allows you to make a logical comparison between a value: =IF(B2="Lowland", 1, 2)

IF + IF

IF + AND

3. Concatenate Function:

It physically merge the content of different cells

Example: =**CONCATENATE(A2:A21,B2:B21)**

4. SUMIF, AVERAGE IF

you sum/ average cells on a condition that appears in a range.

Range (where we are looking for the condition), Criteria (our condition), SUM range (what we will sum)

Example: =AVERAGEIF(F2:F56, "Lowland", "Sol", E2:E56)

BASIC EXCEL FUNCTIONS



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ANY QUESTIONS?

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maria@omevaconsulting.com

```
ab-expanded ,to),in([0],onTsczidm,btaddo2u23( an /) /bH emvEo2u23( rae /) /sTpeT emvE\ rae ppe  
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