



Student Data Filtering

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Why Data Filtering???



- Verifying existing datasets
- Cleaning large datasets
- Creating Sub-datasets
- Reduces redundancy and unnecessary data



Features

- Allows filtering of data from different columns.
- Allows filtering of data within the same column.
- Allows filtering of data combining both the above mentioned features!!!!
- Displays total number of entries in the filtered dataset.
- Filtered dataset can be saved as an excel sheet by the user!!!

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Student Data Filtering System!!!

Student Data Filtering

This is multilevel filtering of data

Get all COEP student data simplified and without having to search through huge data!

To get a single criteria, simply enter it

To get multiple filters for different columns, separate your criteria using ','

To get multiple filters within the same column,separate your criteria using ';'.

For CGPA:

- If you want a particular CGPA, enter that value.
- If you want CGPA greater than the value, use '>' symbol before your value.
- If you want CGPA less than the value, use '<' symbol before your value.

Criteria- Course, Category, Division, Cgpa

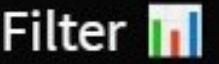
Enter search criteria:

Filter 

Data filtering from multiple columns!

Enter search criteria:

Computer,F,Open,Div-7,<8.2

Filter 

ID	Application ID	Name	Gender	Category	Course	LastN
109	110	EN21108133 NAZRE RUKMINI AVINASH	F	Open	Computer Engineering	NAZRE
110	111	EN21104508 RUJUTA ANIL BUDKE	F	Open	Computer Engineering	RUJUTA
111	112	EN21109280 PADALKAR RENUKA PRAVEEN	F	Open	Computer Engineering	PADALKAR
113	114	EN21107830 SINHA RASHI SANTOSH	F	Open	Computer Engineering	SINHA
115	116	EN21129200 PORE PRATIMA SIDDHANATH	F	Open	Computer Engineering	PORE
134	135	EN21129657 JIA JOHNSON	F	Open	Computer Engineering	JIA

Total Entries: 6

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Enter search criteria:

Computer Engineering;Civil Engineering,Open;OBC

Filter 

ID	Application ID	Name	Gender	Category	Course
91	92	EN21105696	GUPTE SOHAM MANDAR	M	Open
94	95	EN21100584	SIDHESH SATYAWAN LAWANGARE	M	Open
96	97	EN21121471	GUPTA SHUBHAM SACHIN	M	Open
97	98	EN21152559	SHRUTI RAVICHANDRAN	F	Open
105	106	EN21116064	RAJMANE SANCHIT NILKANTH	M	Open
106	107	EN21101070	SAMARTH DIGAMBAR KANWATE	M	Open
109	110	EN21108133	NAZRE RUKMINI AVINASH	F	Open
110	111	EN21104508	RUJUTA ANIL BUDKE	F	Open
111	112	EN21109280	PADALKAR RENUKA PRAVEEN	F	Open
113	114	EN21107830	SINHA RASHI SANTOSH	F	Open
...	...	-----	-----	-	-

Data filtering within
the same column!

Total Entries: 105

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Enter search criteria:

Electrical Engineering;Mechanical Engineering,M,Div-6;Div-7;Div-8,<9,Open;SC

Filter 

	ID	Application ID	Name	Gender	Category	Course	L
236	237	EN21221122	THUBE YASH RAJENDRA	M	Open	Electrical Engineering	1
238	239	EN21107803	PUNDLIK VIRAJ ASHWIN	M	Open	Electrical Engineering	F
246	247	EN21112388	SHREYAS RAJENDRA DAMGUDE	M	Open	Electrical Engineering	S
259	260	EN21147485	GIRASE MOHIT RANJITSINGH	M	Open	Electrical Engineering	C
262	263	EN21117502	ATHARVA RAVINDRA JOSHI	M	Open	Electrical Engineering	A
266	267	EN21229390	GHEJI SANJAY KASHAPA	M	Open	Electrical Engineering	C
267	268	EN21142554	GHADGE TANISHQ CHANDRAKANT	M	Open	Electrical Engineering	C
272	273	EN21103068	BHAGWAT ATHARVA ULHAS	M	Open	Electrical Engineering	E
273	274	EN21159091	GODBOLE ATHARVA VINAY	M	Open	Electrical Engineering	C
240	241	EN21222324	KAMBLE SWARNIM SURESH	M	SC	Electrical Engineering	I

Total Entries: 14

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FILE HOME INSERT PAGE LAYOUT FORMULAS DATA REVIEW VIEW

Cut Copy Paste Format Painter

Calibri 11 Wrap Text General

B I U Merge & Center Conditional Format as Cell

Font Alignment Number Styles

Clipboard

	A	B	C	D	E	F	G	H	I	J	K	L	M
1	ID	pplication	Name	Gender	Category	Course	LastName	FirstName	MiddleName	Email	ContactNum	Division	Cgpa
2	93	EN211856	BHOPALE	F	SC	Computer	BHOPALE	SNEHAL	PANDURA	bhopalesp	9.76E+09	Div-6	8.38
3	102	EN211975	DEOLEKAFF		SC	Computer	DEOLEKAF	SHRAVANI	SUNIL	deolekars:	9.13E+09	Div-6	7.38
4	117	EN211176	JADHAV	PIF	SC	Computer	JADHAV	PRANJALI	PRAVIN	jadhavppz	8.15E+09	Div-7	8.33
5	176	EN211931	ANUSHKA	F	SC	Computer	ANUSHKA	VINOD	MORE	anushkavr	7.67E+09	Div-9	8.67
6	191	EN212096	KAMBLE	S F	SC	Computer	KAMBLE	SUMITRA	SANTOSH	kamblessz	8.77E+09	Div-9	8.24
7	279	EN211659	GACCHE	S F	SC	Electrical	GACCHE	SANCHI	MILIND	gacchesm:	8.77E+09	Div-9	6.14
8	291	EN211832	TUPLONDIF		SC	Electrical	TUPLONDIN	NIVEDITA	SUNIL	tuplondhe	9.16E+09	Div-10	4.57
9													

Downloading filtered dataset!!!

Libraries Used



Pandas : It is imported to handle data manipulation and analysis



Streamlit : Streamlit is a free and open-source framework to rapidly build and share beautiful machine learning and data science web apps. It is a Python-based library specifically designed for machine learning engineers.

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Modules Used



Tempfile : Python module used in a situation, where we need to read multiple files, change or access the data in the file, and gives output files based on the result of processed data.



Io : Python io module allows us to manage the file-related input and output operations.



Re : The Python "re" module provides regular expression support. In Python a regular expression search is typically written as:
`match = re. search(pat, str)` The `re.search()` method takes a regular expression pattern and a string and searches for that pattern within the string.



THANK YOU!!!!