

Progress 3

Goal:

- ☒ ~~Typecast csv to be easy to work with in future~~
- ☒ ~~Have one file/function that can be imported to others with cleaning already done~~
- ☒ ~~Accessing individual elements of database~~
- ☒ ~~Reading in and working with different variables~~

Work Done/Reflection:

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- Attempting to complete this phase before Week 5 where we learnt about character arrays proved to be bad luck as I greatly overcomplicated this step.
- MadeWithout, Benefits, KeyIngredients all serve as examples.
- After watching videos on cell arrays I discovered that I had not only wasted absurd amounts of time typecasting things that didn't even need it, but it would actually be in my best interest to keep them in their original form.
- I then read documentation on str2double and strrep, along as revisiting course resources on the differences between string arrays, string vectors and cell arrays.
- The 'Benefits' variable also caused me grief as I was unsure how to go about working with arrays of varying lengths.

Test Case:

Display sample of data that will be used to ensure typecasting worked correctly.

First 5 rows of the dataset:

Brand	ProductName	Price	Subcategory	Weight_g_	Weight_ml_	ReviewCount	Rating	Benefits
"MECCA COSMETICA"	"Gel Cream 50ml"	55	"Moisturisers"	{'N/A'}	50	58	4.6	{'Anti-blemish, Hydrating, Brightening, De-congesting, Exfoliating, Smoothing, Anti-shine, (
"Summer Fridays"	"Lip Butter Balm"	39	"Lip Care"	{'N/A'}	NaN	239	4.3	{'Cruelty-free, Vegan, Hydrating'}
"Dr. Dennis Gross"	"DermInfusions™ Fill + Repair Eye Cream 15ml"	118	"Eye Care"	{'N/A'}	15	NaN	0	{'Cruelty-free, Vegan, Hydrating, Brightening, Firming, Plumping, Alcohol-free'}
"Youth To The People"	"Superfood Cleanser"	NaN	"Cleanser & Toner"	{'N/A'}	NaN	3919	4.8	{'Cruelty-free, Vegan, Anti-blemish, Hydrating, Brightening'}
"Tower 28"	"SOS Daily Balancing Gel Cleanser 150ml"	33	"Cleanser & Toner"	{'N/A'}	150	284	4.7	{'Cruelty-free, Vegan, Hydrating, Brightening, Fragrance-free'}

Reflection:

- Should have started with basic filtering before typecasting to first define what was actually necessary
- This would have tested the capabilities of the data types from the get go and saved a lot of time.
- Filtering the data will be the next step from here.