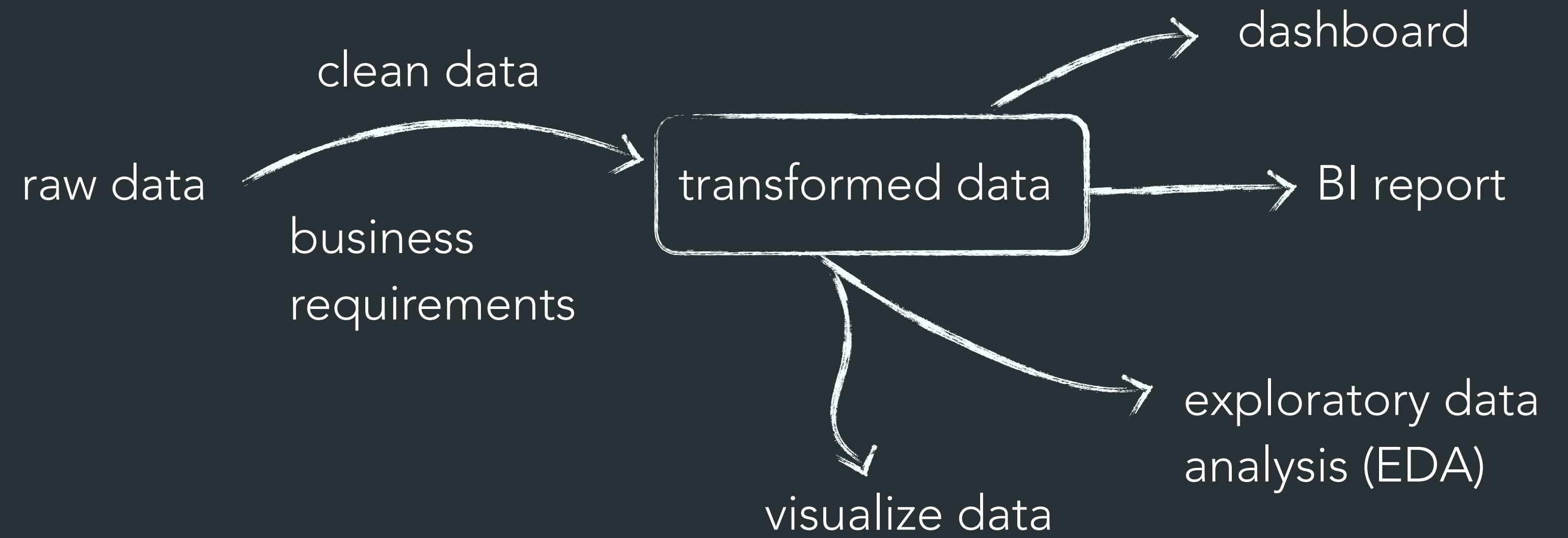




kokchun giang

using AI as tool for
data analysis to
understand data and
find insights

simplified **data journey** in data analysis and visualization



common form of raw data is in **tabular** format

Diagram illustrating the structure of tabular data:

- header:** The top row of the table, enclosed in a red box.
- row or record:** A single row of data, enclosed in a red box. It is labeled "horizontal" with an arrow pointing to it.
- column:** A single column of data, enclosed in a red box. It is labeled "vertical" with an arrow pointing to it.

Year	Month	Make	Quantity	Pct
2007	1	Toyota	2884	22.7
2007	1	Volkswagen	2521	19.9
2007	1	Peugeot	1029	8.1
2007	1	Ford	870	6.9
2007	1	Volvo	693	5.5
2007	1	Skoda	665	5.2
2007	1	Opel	622	4.9
2007	1	Audi	599	4.7
2007	1	Honda	423	3.3
2007	1	Mercedes-Benz	362	2.9

Year	Month	Quantity	Quantity_YoY	Import	Import_YoY	Used	Used_YoY	Avg_CO2	Bensin_CO2	Diesel_CO2	Quantity_Diesel	Diesel_Share	Diesel_Share_L	Quantity_Hybrid	Quantity_Electric	Import_Electric
2007	1	12685	5227	2276	257	NA	NA	152	155	152	10072	79.4	52.5	NA	NA	NA
2007	2	9793	2448	1992	-89	NA	NA	156	159	155	7222	73.7	47.4	NA	NA	NA
2007	3	11264	1445	2626	45	NA	NA	159	161	158	7965	70.7	48.1	NA	NA	NA
2007	4	8854	504	2220	-130	NA	NA	160	165	158	6116	69.1	48.4	NA	NA	NA
2007	5	12007	1592	2881	7	NA	NA	160	163	159	8519	71	49.1	NA	NA	NA
2007	6	11083	1545	3038	23	NA	NA	161	163	160	8290	74.8	49.5	NA	NA	NA
2007	7	12062	1908	3768	137	NA	NA	159	161	158	9203	76.3	50.1	NA	NA	NA
2007	8	10786	1993	3419	260	NA	NA	160	160	160	7949	73.7	50.3	NA	NA	NA
2007	9	9340	498	2897	-28	NA	NA	160	160	160	7005	75	50.5	NA	NA	NA
2007	10	11646	2973	3185	597	NA	NA	159	160	159	8967	77	48.3	NA	NA	NA
2007	11	10453	1709	2957	544	NA	NA	160	161	159	7683	73.5	46.6	NA	NA	NA
2007	12	9222	-1811	2097	-1257	NA	NA	162	162	164	7046	76.4	41.1	NA	NA	NA
2008	1	9901	-2784	2287	11	NA	NA	158	155	159	7248	73.2	79.4	NA	NA	NA

It's good to use traditional data analysis, but AI can help with **EDA** and quickly understanding the dataset

