

# TEAM NMiMi

## MEMBERS

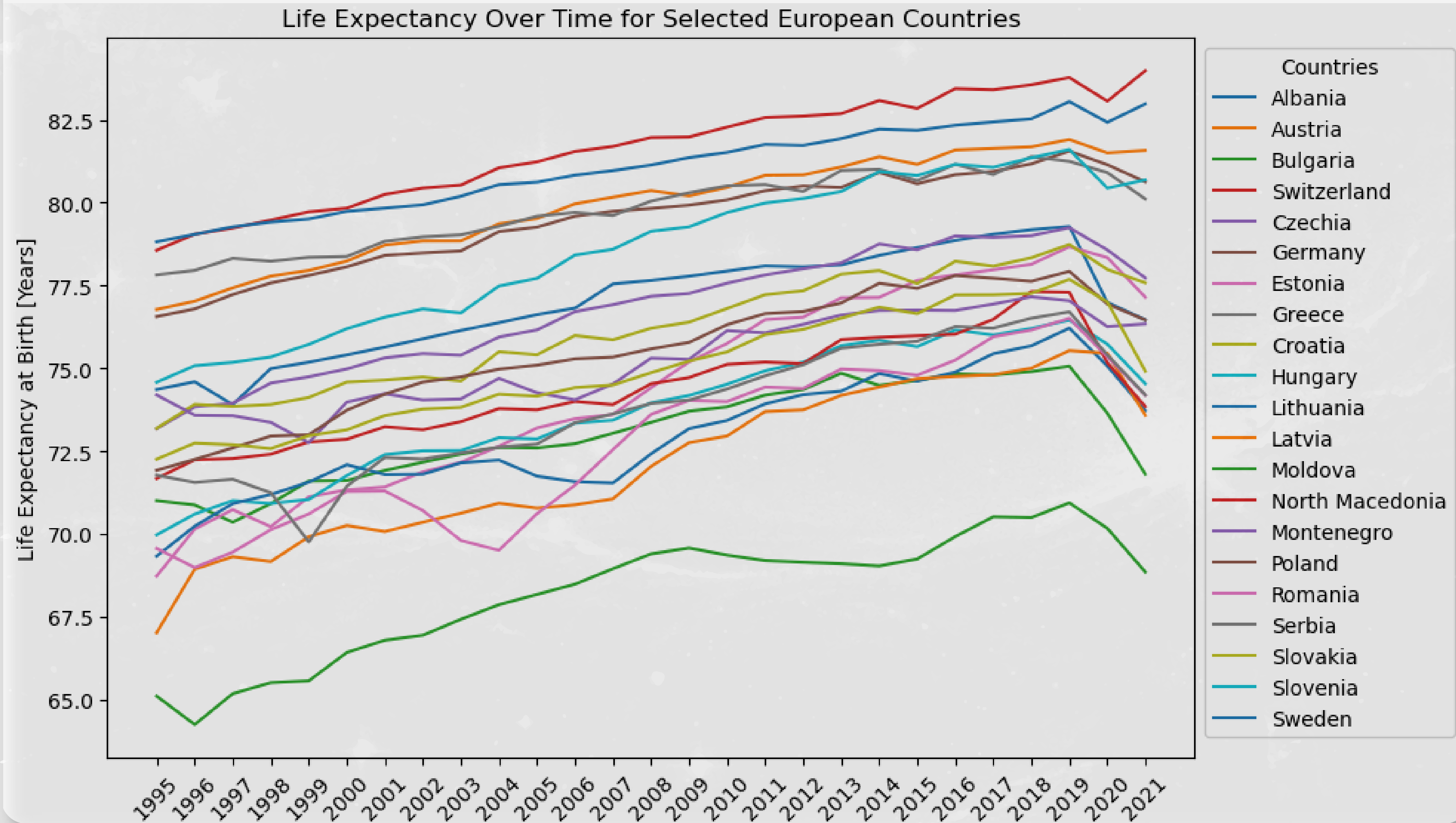
**Hernádi Kata** – data analyst  
**Tóth Eszter** – software developer  
**Piszker Szilvia** – front end developer  
**Major Marcella** – UI/UX designer  
**Monori János Bence** – AI engineer  
**Markotics Boldizsár** – software developer

## CHALLENGE

ANALYSIS OF COMPLEX CAUSES USING BOTH SOCIODEMOGRAPHIC AND SATELLITE DATA TO PROPOSE SOLUTIONS TO PRESSING PROMBLEMS IN OUR COMMUNITY.

# O1 WHATWE DO IT

## OVERARCHING ISSUES IN EASTERN EUROPE



**VISUALISATION**

**NEURAL  
NETWORK**

**SOCIO-  
ENVIRONMENTAL  
FACTORS**

**SOLUTION  
AS SERVICE**

**NASA DATA  
USAGE**



Please select the country on the map to see it's condition

CO2 EMISSION

Current Value: 36

GROSS PRIMARY EDUCATION ENROLLMENT

Current Value: 64

GROSS TERTIARY EDUCATION ENROLLMENT

Current Value: 48

INFANT MORTALITY

Current Value: 80

INFANT MORTALITY RATIO

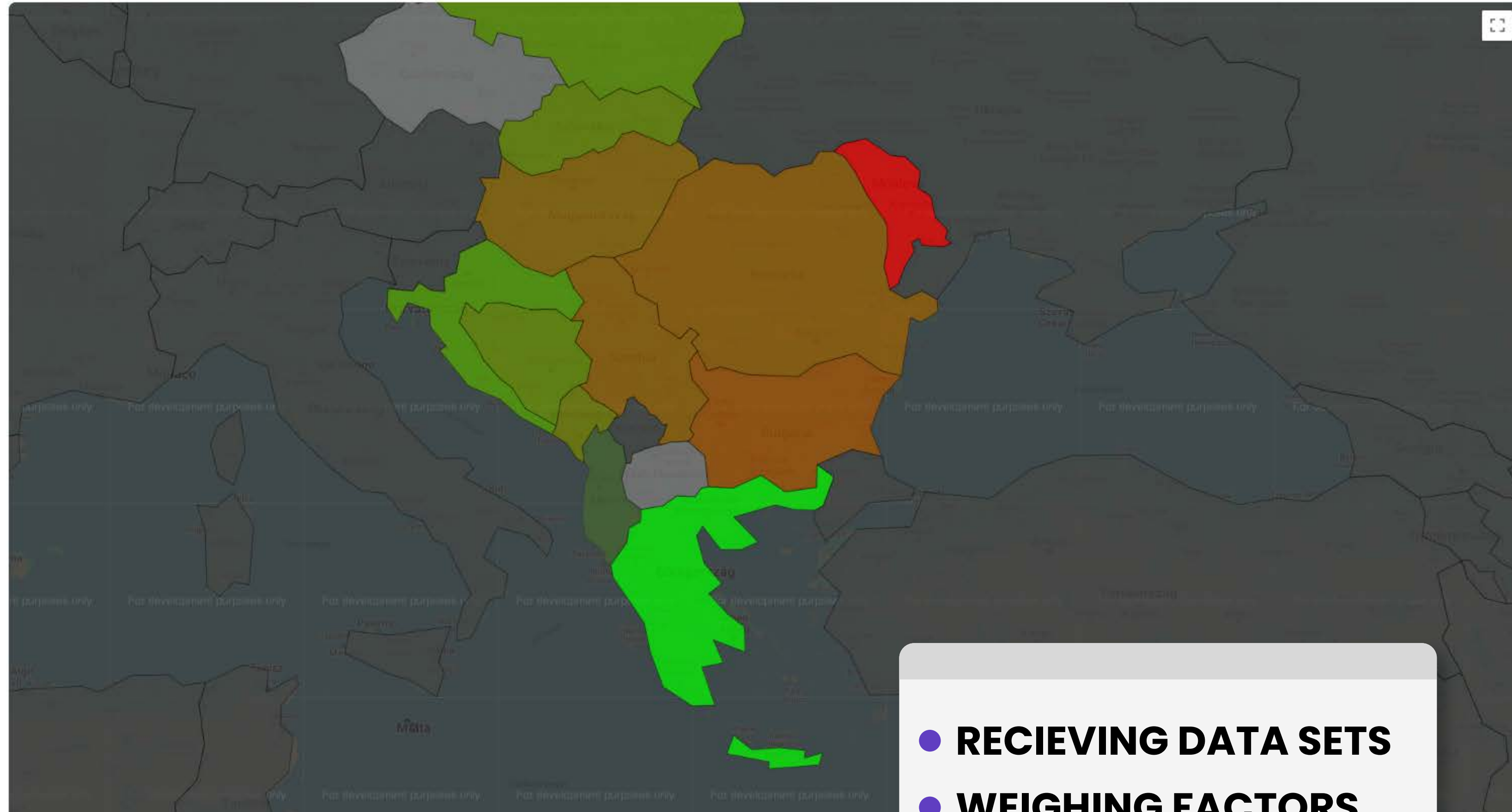
Current Value: 62

PHYSICIANS PER THOUSAND

Current Value: 31

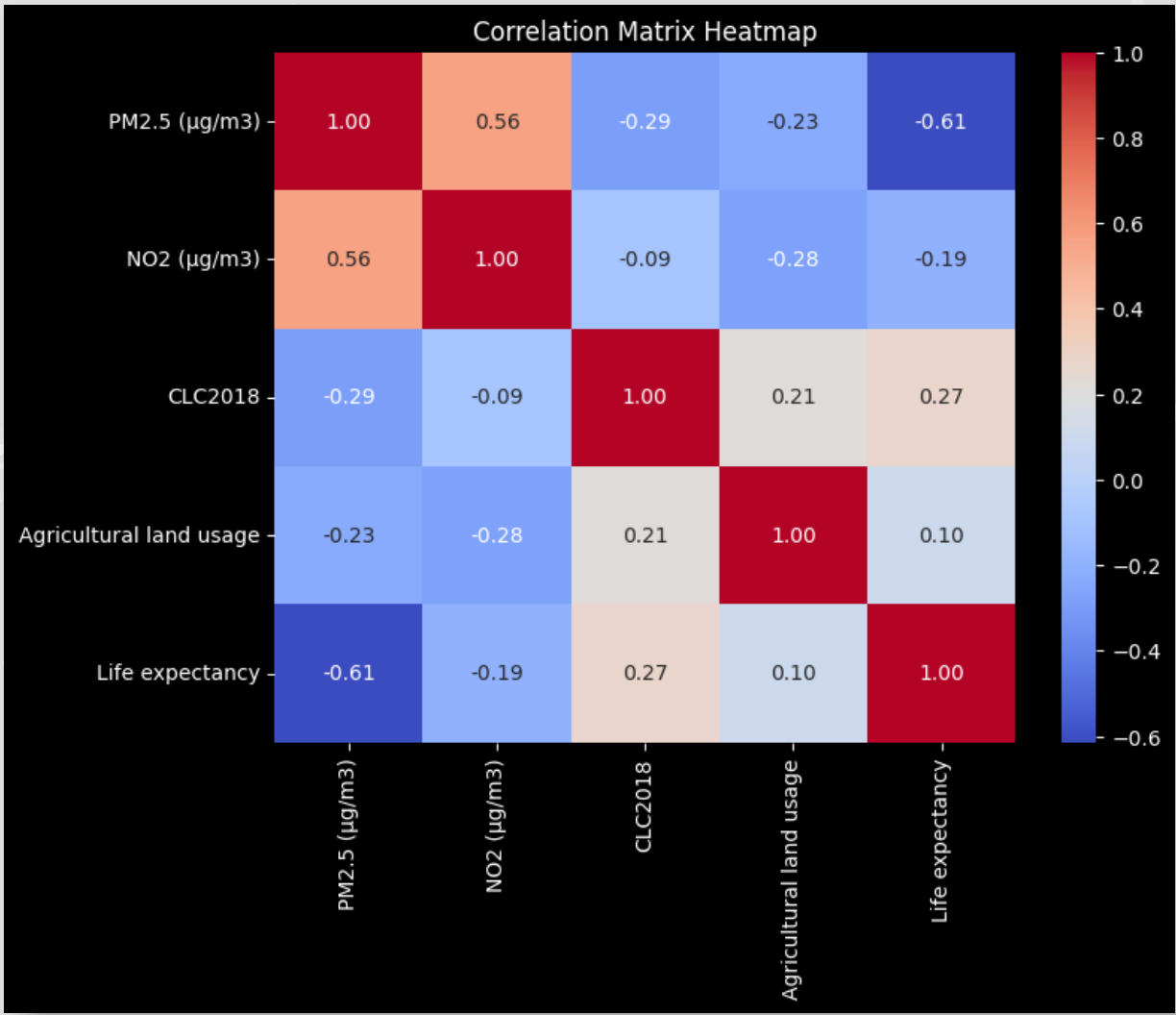
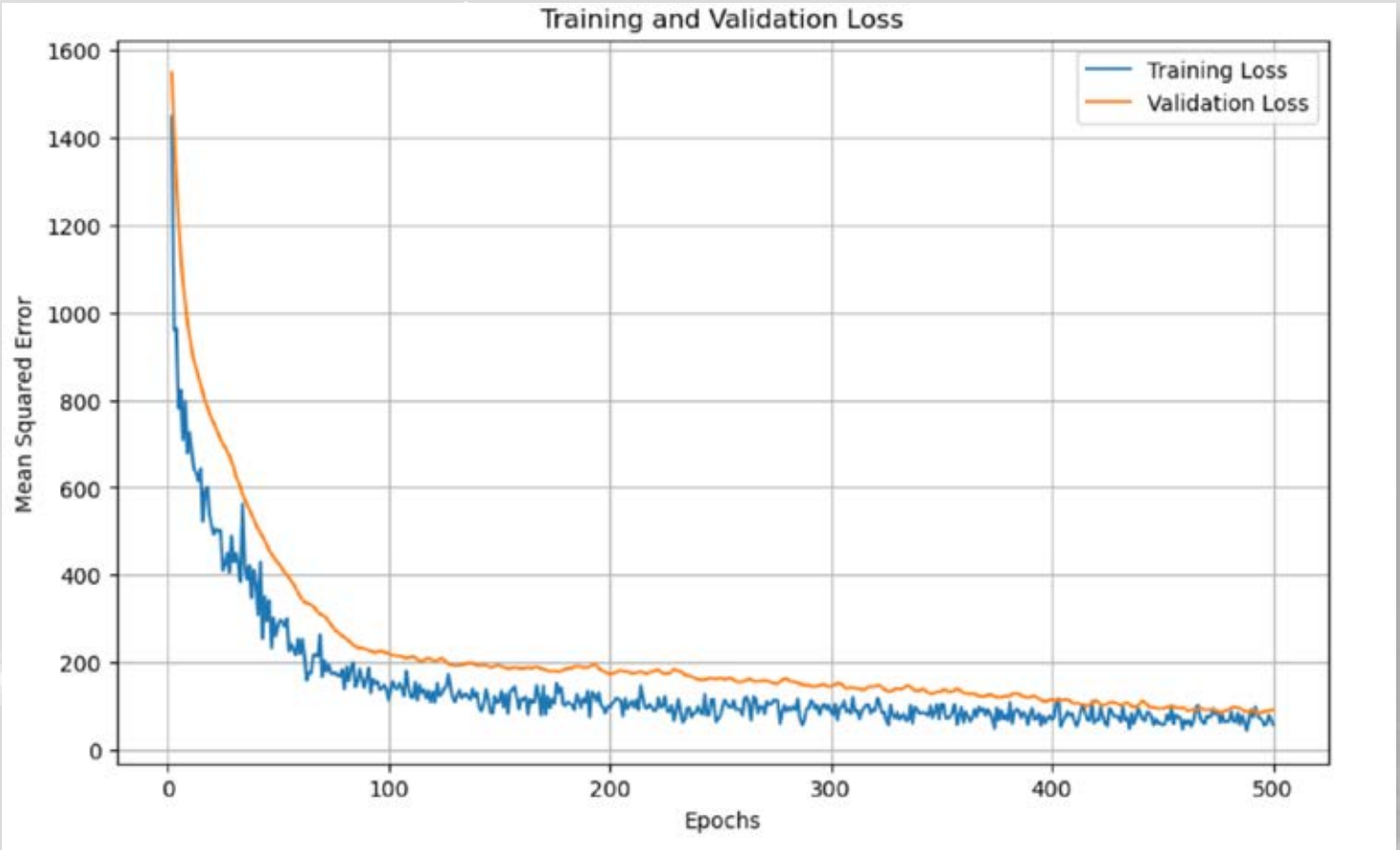
LIFE EXPENTANCY

Current Value: 71



- RECIEVING DATA SETS
- WEIGHING FACTORS
- LIVE MODIFICATION

	Density\n(P/Km2)	Birth Rate	Co2- Emissions	Fertility Rate	Forested Area (%)	Gasoline Price	GDP	Gross primary education enrollment (%)	Gross tertiary education enrollment (%)	Infant mortality
0	60	32.49	8,672	4.47	2.10%	\$0.70	\$19,101,353,833	104.00%	9.70%	47.9
1	105	11.78	4,536	1.62	28.10%	\$1.36	\$15,278,077,447	107.00%	55.00%	7.8
2	18	24.28	150,006	3.02	0.80%	\$0.28	\$169,988,236,398	109.90%	51.40%	20.1
3	26	40.73	34,693	5.52	46.30%	\$0.97	\$94,635,415,870	113.50%	9.30%	51.6
4	17	17.02	201,348	2.26	9.80%	\$1.10	\$449,663,446,954	109.70%	90.00%	8.8
...	...	...	...	...	...	...	...	...	...	...
93	229	38.14	5,680	4.96	9.70%	\$0.94	\$34,387,229,486	102.70%	4.80%	33.8
94	75	8.70	202,250	1.30	16.70%	\$0.83	\$153,781,069,118	99.00%	82.70%	7.5
95	281	11.00	379,025	1.68	13.10%	\$1.46	\$2,827,113,184,696	101.20%	60.00%	3.6
96	20	13.86	6,766	1.97	10.70%	\$1.50	\$56,045,912,952	108.50%	63.10%	6.4
97	25	36.19	5,141	4.63	65.20%	\$1.40	\$23,064,722,446	98.70%	4.10%	40.4



Feature	Importance
Maternal mortality ratio [1]	3.32
Minimum wage [USD]	3.16
Fertility Rate [1]	3.03
GDP [USD]	2.99
Birth Rate [1]	2.95
Out of pocket health expenditure [USD]	2.94
Gross tertiary education enrollment [%]	2.91
Fuel Price [USD]	2.90
Population Density [Population/Km <sup>2</sup> ]	2.78
Physicians per thousand [1]	2.76
Population [1]	2.74
Population: Labor force participation [%]	2.65
Forested Area [%]	2.54
Gross primary education enrollment [%]	2.53
Co2-Emissions	2.48
Urban population [1]	2.46
Infant mortality [1]	2.33

- **REALISABLE SOLUTION**
- **DEFINING OUTPUT**
- **TAILORED TO NEEDS**

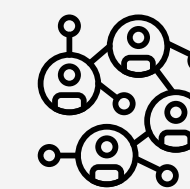




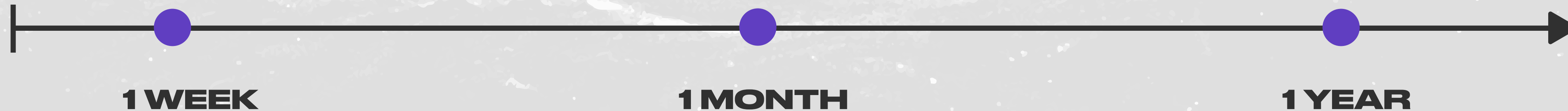
**implement scalability,  
front end developement**



**educational purposes,  
adding functions**



**solution pipelines,  
company connections**



**ANY QUESTIONS?**

REMIND ME LATER

OK