

# BCS2313 ARTIFICIAL INTELLIGENCE TECHNIQUES (NEURAL NETWORK PROJECT)

SESSION 2023/2024 SEMESTER II

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**SECTION: 2** 

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**DATASET NAME: LUNG CANCER PREDICTION** 

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#### DATASET INFORMATION

This dataset contains information on patients with lung cancer, including their age, gender, air pollution exposure, alcohol use, dust allergy, occupational hazards, genetic risk, chronic lung disease, balanced diet, obesity, smoking, passive smoker, chest pain, coughing of blood, fatigue, weight loss, shortness of breath, wheezing, swallowing difficulty, clubbing of finger nails and snoring.

# 1.1 Objective

- 1. To develop and implement a robust neural network based system for the early detection and prediction of lung cancer.
- 2. To analyze medical imaging such as CT scans along with integrating clinical and histopathological data.
- 3. to create a comprehensive, user-friendly tool that can be seamlessly integrated into clinical workflows, providing clinicians with a powerful decision support system that enhances diagnostic precision and supports timely intervention.

# 1.2 Attributes

The attributes involved in this dataset include:

NO	INPUT	DESCRIPTION
1.	Age	The age of the patient.
2.	Gender	The gender of the patient.
3.	Air Pollution	The level of air pollution exposure of the patient.
4.	Alcohol Use	The level of alcohol use of the patient
5.	Dust Allergy	The level of dust allergy of the patient.
6.	OccuPational Hazards	The level of occupational hazards of the patient
7.	Genetic Risk	The level of genetic risk of the patient.
8.	Chronic Lung Disease	The level of chronic lung disease of the patient.
9.	Balanced Diet	The level of a balanced diet of the patient.
10	Obesity	The level of obesity of the patient.
11	Smoking	The level of smoking of the patient.
12	Passive Smoker	The level of passive smoker of the patient.
13	Chest Pain	The level of chest pain of the patient.
14	Coughing of Blood	The level of coughing of blood of the patient.
15	Fatigue	The level of fatigue of the patient.

16	Weight Loss	The level of weight loss of the patient.
17	Shortness of Breath	The level of shortness of breath of the patient.
18	Wheezing	The level of wheezing of the patient.
19	Swallowing Difficulty	The level of swallowing difficulty of the patient.
20	Clubbing of Finger Nails	The level of clubbing of finger nails of the patient.

NO	OUTPUT	DESCRIPTION
1	Level	The risk level for lung cancer
		<ul><li>High</li><li>Medium</li><li>Low</li></ul>

#### 1.3 Total Dataset

The total number of datasets involved are 1001.

For this project, we had decided to take 304 data from the dataset for the purpose of developing a Neural Network System. The attributes involved in our system will be taken partially from the original attributes which are the age, gender, air pollution exposure, alcohol use, dust allergy, occupational hazards, genetic risk, chronic lung disease, balanced diet, obesity, smoking, passive smoker, chest pain, coughing of blood, fatigue, weight loss ,shortness of breath ,wheezing ,swallowing difficulty ,clubbing of finger nails and snoring.

From our research and observation, the majority of lung cancer cases are attributed to smoking, but exposure to air pollution is also a risk factor. A new study has found that air pollution may be linked to an increased risk of lung cancer, even in nonsmokers.

# 1.4 Screenshot sample list of dataset

index	Patient Id /	Gend	er Ai	ir Polluti Alco	hol us E	Oust Aller (	OccuPatio G	enetic Richr	onic Lu Bal	lanced I Obesity	Smoking	Passive Sr C	hest Pair Co	ughing Fatig	gue W	eight Lo Sho	rtness Whe	eezing Sw	allowir Clu	bbing (Fre	quent Dr	Cough Snor	
	0 P1	33	1	2	4	5	4	3	2	2	4 3	2	2	4	3	4	2	2	3	1	2	3	4 Low
	1 P10	17	1	3	1	5	3	4	2	2	2 2	2 4	2	3	1	3	7	8	6	2	1	7	2 Medium
	2 P100	35	1	4	5	6	5	5	4	6	7 2	2 3	4	8	8	7	9	2	1	4	6	7	2 High
	3 P1000	37	1	7	7	7	7	6	7	7	7	7 7	7	8	4	2	3	1	4	5	6	7	5 High
	4 P101	46	1	6	8	7	7	7	6	7	7 8	3 7	7	9	3	2	4	1	4	2	4	2	3 High
	5 P102	35	1	4	5	6	5	5	4	6	7 2	2 3	4	8	8	7	9	2	1	4	6	7	2 High
	6 P103	52	2	2	4	5	4	3	2	2	4 3	3 2	2	4	3	4	2	2	3	1	2	3	4 Low
	7 P104	28	2	3	1	4	3	2	3	4	3 1	1 4	3	1	3	2	2	4	2	2	3	4	3 Low
	8 P105	35	2	4	5	6	5	6	5	5	5 6	6	6	5	1	4	3	2	4	6	2	4	1 Medium
	9 P106	46	1	2	3	4	2	4	3	3	3 2	2 3	4	4	1	2	4	6	5	4	2	1	5 Medium
	10 P107	44	1	6	7	7	7	7	6	7	7	7 8	7	7	5	3	2	7	8	2	4	5	3 High
	11 P108	64	2	6	8	7	7	7	6	7	7 7	7 8	7	7	9	6	5	7	2	4	3	1	4 High
	12 P109	39	2	4	5	6	6	5	4	6	6 6	6	6	6	5	3	2	4	3	1	7	5	6 Medium
	13 P11	34	1	6	7	7	7	6	7	7	7 7	7 7	7	8	4	2	3	1	4	5	6	7	5 High
	14 P110	27	2	3	1	4	2	3	2	3	3 2	2 2	4	2	2	2	3	4	1	5	2	6	2 Low
	15 P111	73	1	5	6	6	5	6	5	6	5 8	5	5	5	4	3	6	2	1	2	1	6	2 Medium
	16 P112	17	1	3	1	5	3	4	2	2	2 2	2 4	2	3	1	3	7	8	6	2	1	7	2 Medium
	17 P113	34	1	6	7	7	7	6	7	7	7	7 7	7	8	4	2	3	1	4	5	6	7	5 High
	18 P114	36	1	6	7	7	7	7	7	6	7 7	7 7	7	7	8	5	7	6	7	8	7	6	2 High
	19 P115	14	1	2	4	5	6	5	5	4	6 5	5 4	6	5	5	3	2	1	4	7	2	1	6 Medium
	20 P116	24	1	6	8	7	7	6	7	7	3 8	3 7	9	6	5	2	5	2	3	2	1	7	6 High
	21 P117	53	2	4	5	6	5	5	4	6	7 2	2 3	4	8	8	7	9	2	1	4	6	7	2 High
	22 P118	62	1	6	8	7	7	7	6	7	7 8	3 7	7	9	3	2	4	1	4	2	4	2	3 High
	23 P119	29	2	6	7	7	7	7	6	7	7 7	7 7	7	7	2	7	6	7	6	7	2	3	1 High
	24 P12	36	1	6	7	7	7	7	7	6	7 7	7 7	7	7	8	5	7	6	7	8	7	6	2 High
	25 P120	65	1	6	8	7	7	7	6	2 .	4 1	1 2	4	3	2	7	6	5	1	9	3	4	2 Medium
	26 P121	38	2	2	1	5	3	2	3	2 .	4 1	L 4	2	4	6	7	2	5	8	1	3	2	3 Medium
	27 P122	19	1	3	2	4	2	3	2	3	3 2	2 2	3	3	4	5	6	5	5	4	6	5	4 Medium
	28 P123	33	1	6	7	7	7	7	6	7	7 4	8 1	7	7	4	4	5	6	5	5	4	6	5 High
	29 P124	28	2	1	6	7	5	3	2	6	2 3	3	2	2	3	3	7	7	4	8	7	7	5 Medium
	30 P125	35	2	2	6	2	3	6	6	6 .	4 6	5 8	7	6	5	5	4	6	5	4	6	5	7 High
	31 P126	42	1	2	4	5	6	5	5	4	6 7	7 7	2	3	8	7	7	3	8	9	1	6	2 High
	32 P127	32	2	1	6	7	8	7	6	7	7 3	4	8	7	3	2	6	4	2	3	1	2	1 Medium
	33 P128	33	1	2	4	5	4	3	2	2 .	4 3	3 2	2	4	3	4	2	2	3	1	2	3	4 Low
	34 P129	25	2	3	1	4	3	2	3	4	3 1	4	3	1	3	2	2	4	2	2	3	4	3 Low
	35 P13	14	1	2	4	5	6	5	5	4	6 5	5 4	6	5	5	3	2	1	4	7	2	1	6 Medium
	36 P130	27	2	3	1	4	2	3	2	3	3 2	2 2	4	2	2	2	3	4	1	5	2	6	2 Low

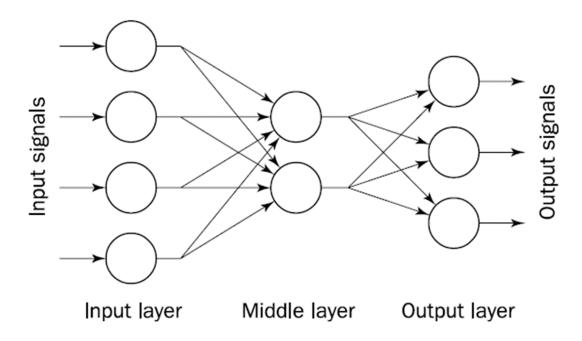
35 P13	14	1	2	4	5	6	5	5	4	6	5	4	6	5	5	3	2	1	4	7	2	1	6 Medium
36 P130	27	2	3	1	4	2	3	2	3	3	2	2	4	2	2	2	3	4	1	5	2	6	2 Low
37 P131	28	1	6	7	8	7	6	7	7	2	4	3	7	8	2	3	6	4	2	3	1	2	1 Low
38 P132	32	1	2	3	6	7	7	7	7	2	4	3	7	4	2	1	3	2	2	1	2	5	1 Low
39 P133	45	2	1	2	4	5	6	5	5	4	6	4	7	2	3	8	7	3	8	3	2	3	1 Low
40 P134	27	2	3	1	4	3	2	3	4	3	1	4	3	1	3	2	2	4	2	2	3	4	3 Low
41 P135	26	2	2	3	1	4	3	2	3	4	3	1	4	3	1	2	3	4	5	1	2	3	4 Low
42 P136	48	1	4	2	3	2	1	2	3	2	1	5	1	4	2	6	1	2	4	2	1	2	3 Low
43 P137	17	2	1	2	3	4	4	3	2	1	3	2	1	2	1	3	3	2	1	3	2	1	1 Low
44 P138	22	1	2	1	3	4	3	5	3	2	6	1	1	2	3	2	1	3	2	4	2	1	1 Low
45 P139	42	1	2	1	2	3	4	3	2	1	1	1	6	2	1	1	1	2	1	2	3	1	2 Low
46 P14	24	1	6	8	7	7	6	7	7	3	8	7	9	6	5	2	5	2	3	2	1	7	6 High
47 P140	35	1	1	3	2	4	2	6	2	2	2	1	3	4	4	2	2	2	3	2	1	2	4 Low
48 P141	24	2	1	2	2	3	2	4	2	3	2	1	1	1	1	1	1	2	3	4	5	2	1 Low
49 P142	38	2	3	2	3	2	3	2	3	2	3	2	1	1	1	2	3	2	5	1	5	1	1 Low
50 P143	18	2	3	2	1	3	2	1	3	2	1	2	2	2	2	2	1	3	4	4	1	4	1 Low
51 P144	23	2	4	2	3	4	2	3	2	4	2	4	2	4	1	3	4	2	4	2	4	3	1 Low
52 P145	24	2	3	2	2	1	1	1	1	1	4	2	3	6	2	1	2	3	4	2	1	1	1 Low
53 P146	35	2	2	1	2	1	2	1	2	3	2	4	2	1	3	4	5	1	3	2	1	2	2 Low
54 P147	38	2	5	2	3	1	2	3	5	2	2	5	1	3	1	1	1	1	1	3	2	4	2 Low
55 P148	47	2	2	3	1	3	2	5	2	1	2	1	2	5	3	2	1	2	3	1	3	4	2 Low
56 P149	52	2	3	2	1	2	3	5	1	2	7	2	1	1	1	1	1	3	2	3	2	3	3 Low
57 P15	53	2	4	5	6	5	5	4	6	7	2	3	4	8	8	7	9	2	1	4	6	7	2 High
58 P150	44	2	2	3	2	1	3	2	1	2	7	6	2	2	2	2	3	2	1	2	3	2	3 Low
59 P151	38	2	2	3	5	2	1	1	1	1	4	3	2	4	2	1	3	4	6	1	3	2	2 Low
60 P152	62	2	3	2	1	3	2	4	5	1	6	2	3	2	4	3	2	1	2	4	2	3	2 Low
61 P153	61	2	2	3	4	2	1	1	2	4	3	2	1	5	2	1	3	2	1	3	2	1	2 Low
62 P154	55	1	3	1	1	1	2	3	4	1	3	2	4	3	2	5	2	1	2	3	4	5	2 Low
63 P155	45	2	1	2	3	4	2	4	3	3	3	2	3	4	4	1	2	4	6	5	4	2	5 Medium
64 P156	38	1	6	8	7	7	7	6	2	4	1	2	4	3	2	7	6	5	1	9	3	4	2 Medium
65 P157	44	1	2	1	5	3	2	3	2	4	1	4	2	4	6	7	2	5	8	1	3	2	3 Medium
66 P158	45	2	3	2	4	2	3	2	3	3	2	2	3	3	4	5	6	5	5	4	6	5	4 Medium
67 P159	33	2	1	6	7	8	7	6	7	7	3	4	8	7	3	2	6	4	2	3	1	2	1 Medium
68 P16	62	1	6	8	7	7	7	6	7	7	8	7	7	9	3	2	4	1	4	2	4	2	3 High
69 P160	32	2	1	6	7	5	3	2	6	2	3	3	2	2	3	3	7	7	4	8	7	7	5 Medium
70 P161	44	1	1	2	3	4	2	4	3	3	3	2	3	4	4	1	2	4	6	5	4	2	5 Medium
71 P162	62	1	6	8	7	7	7	6	2	4	1	2	4	3	2	7	6	5	1	9	3	4	2 Medium
72 P163	38	2	2	1	5	3	2	3	2	4	1	4	2	4	6	7	2	5	8	1	3	2	3 Medium

73 P16			1 3	2	4	2	3	2		3 2	2	3	3	4	5	6	5	5	4	6	5	4 Me
74 P16			1 6	8	7	7	7	6		4 1	2	4	3	2	7	6	5	1	9	3	4	2 Me
75 P16	56 3	35	1 2	1	5	3	2	3	2	4 1	4	2	4	6	7	2	5	8	1	3	2	3 Me
76 P16	57 2	23	1 3	2	4	2	3	2	3	3 2	2	3	3	4	5	6	5	5	4	6	5	4 Me
77 P16			1 1	6	7	8	7	6	7	7 3	4	8	7	3	2	6	4	2	3	1	2	1 Me
78 P16			2 1	6	7	5	3	2		2 3	3	2	2	3	3	7	7	4	8	7	7	5 Me
79 P17			2 6	7	,	7	7	6	7	7 7	7	7	7	2	7	6	7	6	7	2	3	1 Hig
							- 4												-			
80 P17			2 1	2	3	4	2	4		3 3	2	3	4	4	1	2	4	6	5	4	2	5 Me
81 P17			1 6	8	7	7	7	6	2	4 1	2	4	3	2	7	6	5	1	9	3	4	2 Me
82 P17	72 4	18	2 6	8	7	7	7	6	2	4 1	2	4	3	2	7	6	5	1	9	3	4	2 Me
83 P17			2 2	1	5	3	2	3		4 1	4	2	4	6	7	2	5	8	1	3	2	3 Me
																			-			
84 P17			2 3	2	4	2	3	2	-	-	2	3	3	4	5	6	5	5	4	6	5	4 Me
85 P17	75 3	38	2 1	2	3	4	2	4	3	3 3	2	3	4	4	1	2	4	6	5	4	2	5 Me
86 P17	76 3	35	1 6	8	7	7	7	6	2	4 1	2	4	3	2	7	6	5	1	9	3	4	2 Me
87 P17			1 6	7	7	7	7	6	7	7 7	8	7	7	5	3	2	7	8	2	4	5	3 Hig
88 P17			1 6	8	7	7	-	6	7	7 7	8	7	7	9	6	5	7	2	4	3	1	
							- /		/													4 Hig
89 P17			1 6	7	7	7	7	6	7	7 4	8	7	7	4	4	5	6	5	5	4	6	5 Hig
90 P18	3 6	55	1 6	8	7	7	7	6	2	4 1	2	4	3	2	7	6	5	1	9	3	4	2 Me
91 P18	80 5	53	1 6	8	7	7	6	7	7	3 8	7	9	6	5	2	5	2	3	2	1	7	6 Hig
92 P18			2 4	5	6	5		4	6	7 2	3	4	8	8	7	9	2	1	4	6	7	
																						2 Hig
93 P18			2 6	8	7	7	7	6	7	7 8	7	7	9	3	2	4	1	4	2	4	2	3 Hig
94 P18	33 2	27	1 6	7	7	7	7	6	7	7 7	7	7	7	2	7	6	7	6	7	2	3	1 Hig
95 P18	34 2	26	1 6	7	7	7	6	7	7	7 7	7	7	8	4	2	3	1	4	5	6	7	5 Hig
96 P18		37	1 6	7	7	7	7	7	6	7 7	7	7	7	8	5	7	6	7	8	7	6	2 Hig
							-		-	- 1						-						
97 P18			1 6	7	7	7	7	6	7	/ 7	8	7	7	5	3	2	7	8	2	4	5	3 Hig
98 P18			1 6	8	7	7	7	6	7	7 7	8	7	7	9	6	5	7	2	4	3	1	4 Hig
99 P18	38 2	29	2 4	5	6	5	5	4	6	7 2	3	4	8	8	7	9	2	1	4	6	7	2 Hig
100 P18			2 6	8	7	7	7	6	7	7 8	7	7	9	3	2	4	1	4	2	4	2	3 Hig
					- 1				- 1		- 1											
101 P19			2 2	1	5	3	2	3	2	4 1	4	2	4	6	7	2	5	8	1	3	2	3 Me
102 P19	90 4	19	1 6	5	6	5	5	4	6	7 2	3	4	8	8	7	9	2	1	4	6	7	2 Hig
103 P19	91 3	37	1 8	8	7	7	7	6	7	7 8	7	7	9	3	2	4	1	4	2	4	2	3 Hig
104 P19			2 7	7	7	7	7	6	7	7 7	7	7	7	2	7	6	7	6	7	2	3	1 Hig
							-/-			, ,	- /								/			
105 P19			2 7	7	7	7	6	7	7	7 7	7	7	8	4	2	3	1	4	5	6	7	5 Hi
106 P19	34 3	33	1 6	7	7	7	7	7	6	7 7	7	7	7	8	5	7	6	7	8	7	6	2 Hi
107 P19	95 4	14	1 6	7	7	7	7	6	7	7 7	8	7	7	5	3	2	7	8	2	4	5	3 Hi
108 P19			2 6	8	7	7	7	6	7	7 7	8	7	7	9	6	5	7	2	4	3	1	
																						4 Hig
109 P19			2 4	5	6	5	5	4		7 2	3	4	8	8	7	9	2	1	4	6	7	2 Hig
110 P19	98 1	18 :	2 6	8	7	7	7	6	7	7 8	7	7	9	3	2	4	1	4	2	4	2	3 Hig
111 P199																						
	47	1	6	5	6		5	4	6 7	2	3	4	8	8	7	9	2	1	4	6	7	
112 P2	47 25	1 2	6	5	6	5	5	3	6 7 4 3	_	3 4	4	8	8	7	9	4	2	2	6 3	7	
	25	2	3	1	4	3	2	3	4 3	1	4	3	1	3	2	2	4	2	2	3	4	3 Lo
113 P20	25 19	2	3	1 2	4	3 2	2	3	4 3 3	1 2	4	3	1 3	3 4	2 5	2	4 5	2	2	3	4 5	3 Lc 4 M
113 P20 114 P200	25 19 26	2 1 2	3 3 8	1 2 8	4 4 7	3 2 7	2 3 7	3 2 6	4 3 3 3 7 7	1 2 8	4 2 7	3 3 7	1 3 9	3 4 3	2 5 2	2 6 4	4 5 1	2 5 4	2 4 2	3 6 4	4 5 2	3 Lo 4 M 3 Hi
113 P20 114 P200 115 P201	25 19 26 37	2	3	1 2	4	3 2	2	3	4 3 3	1 2 8	4	3	1 3	3 4	2 5	2	4 5	2	2	3	4 5 2 7	3 Lo 4 M 3 Hi
113 P20 114 P200 115 P201	25 19 26 37	2 1 2	3 3 8	1 2 8	4 4 7	3 2 7	2 3 7	3 2 6	4 3 3 3 7 7	1 2 8 7	4 2 7	3 3 7	1 3 9	3 4 3	2 5 2	2 6 4	4 5 1	2 5 4	2 4 2	3 6 4	4 5 2	3 Lo 4 M 3 Hi 5 Hi
113 P20 114 P200 115 P201 116 P202	25 19 26 37 35	1 2 1 2	3 3 8 7 4	1 2 8 7 5	4 4 7 7 6	3 2 7 7 5	2 3 7 6 5	3 2 6 7 4	4 3 3 7 7 7 7 7 6 7	1 2 8 7 2	4 2 7 7 3	3 3 7 7 4	1 3 9 8	3 4 3 4 8	2 5 2 2 7	2 6 4 3	4 5 1 1 2	2 5 4 4	2 4 2 5	3 6 4 6	4 5 2 7	3 Lo 4 M 3 Hi 5 Hi 2 Hi
113 P20 114 P200 115 P201 116 P202 117 P203	25 19 26 37 35 33	2 1 2 1 2	3 3 8 7 4 2	1 2 8 7 5	4 4 7 7 6 5	3 2 7 7 5	2 3 7 6 5	3 2 6 7 4	4 3 3 7 7 7 7 7 6 7 2 4	1 2 8 7 2 3	4 2 7 7 3	3 3 7 7 4	1 3 9 8 8	3 4 3 4 8 3	2 5 2 2 7 4	2 6 4 3 9	4 5 1 1 2 2	2 5 4 4 1	2 4 2 5 4	3 6 4 6 6 2	4 5 2 7 7	3 Lo 4 M 3 Hi 5 Hi 2 Hi 4 Lo
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#### **METHODOLOGY**

## 2.1 Neural network framework



# Input Layer:

- The input layer represents the neural network's initial process, where it collects raw data for the process.
- Each neuron(Nodes) in the input layer represents one of the input data's features or dimensions.
- The input layer receives input signals and forwards them to the next layer, which is usually a hidden layer, without performing any calculation other than maybe scaling or normalizing the input data.

# Middle Layer:

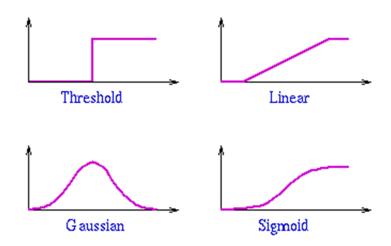
- The hidden layer is where the processing and learning occur. They are referred to be "hidden" because they are not directly visible in the input or output; they only function as mediators.
- Each neuron in the Middle/hidden layer model receives inputs from layers above and sends outputs to the layer below. A weight, a learnable parameter that determines the

direction and strength of effect, is associated with each neuronal connection. In addition, every neuron has a bias term, a learnable parameter that may be used to improve the data fit of the model by shifting the activation function to the left or right.

- Each neuron calculates a weight sum of its inputs as below:

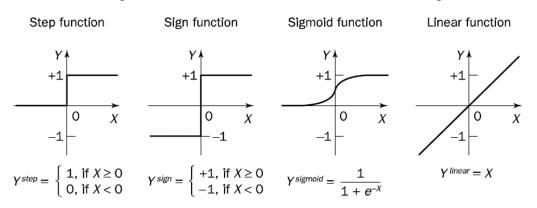
$$z_j = \sum_i (W_{ij} . x_i) + b_j$$

- The activation function used to the weighted sum promotes non-linearity in the network, which is common and includes as below:



# Output Layer

- The finalized outputs of a neural network, which are the classifications or predictions made from the input data, are produced by the output layer.
- A neural network's output layer calculates the weighted sum of its inputs, which is then transmitted through an activation function that is selected according to the task.



-	The network's final output from the output layer is its prediction for classification tasks, the class with the highest probability is often selected.

2.2 Hyperparameters

This section explains the hyperparameters utilized in our neural network framework,

specifically focusing on their functions and the criteria we employed to choose them. We focused

on optimizing the primary hyperparameters, which include the learning rate, the number of

epochs, and the batch size. The impact of each hyperparameter on the model's performance was

assessed by evaluating them using two sets of values.

**Learning Rate** 

**Learning Rate Set 1:** 0.001

Learning Rate Set 2: 0.01

The learning rate determines the magnitude of the adjustments made to the model's weights

based on the loss gradient during each update. A lower learning rate, such as 0.001, results in a

slower and more gradual learning process. This can be beneficial as it allows for the

identification of a more precise minimum of the loss function. This pace is often consistent and

prevents exceeding the best solution. Conversely, a higher learning rate, such as 0.01, speeds up

the training process but carries the risk of the model converging too rapidly to a suboptimal point

or even diverging if the step size is excessively big.

**Epochs** 

Epochs Set 1: 50

Epochs Set 2: 100

An epoch refers to a single iteration over the full training dataset. Increasing the number of

epochs enhances the model's ability to extract knowledge from the data. In the initial set, we

employed 50 epochs, a moderate quantity that enables the model to acquire adequate knowledge

without succumbing to overfitting. In the second batch, we augmented the number of epochs to

100, allowing the model additional opportunity to adapt its parameters and potentially attain superior performance. Nevertheless, a greater number of epochs also heightens the potential for overfitting if not adequately managed.

### **Batch Size**

**Batch Size Set 1: 32** 

**Batch Size Set 2: 64** 

Definition: The batch size determines the quantity of samples that will be processed simultaneously by the network. Reducing the batch size to 32 causes the model to update its weights more often, resulting in a more stable learning process and improved generalization. Nevertheless, it can require a significant amount of processing resources. Increasing the batch size, such as to 64, enables faster training by fully utilizing the computational hardware. However, it might occasionally result in less stable convergence and inferior generalization to fresh data.

Hyperparamete r	Set 1 Value	Set 2 Value	Explainantion
Learning Rate	0.001	0.01	Controls step size during gradient descent.
Epochs	50	100	Number of complete passes through the training data.
Batch Size	32	64	Number of samples processed before the model updates.

#### 2.3 Source Code

```
import numpy as np
import pandas as pd
import tensorflow as tf
from matplotlib import pyplot as plt
import seaborn as sns
from sklearn.model selection import train test split
from sklearn.preprocessing import LabelEncoder, StandardScaler
from sklearn.metrics import accuracy score, precision score, recall score, f1 score,
confusion matrix, classification report, mean squared error
# Load the dataset
file path = 'cancer.csv' # Ensure the correct file path
data = pd.read csv(file path)
# Display unique values in the original 'Level' column before encoding
unique levels = data['Level'].unique()
print("Unique levels before encoding:", unique levels)
# Encode categorical variables
label encoder = LabelEncoder()
data['Gender'] = label encoder.fit transform(data['Gender'])
# Display the mapping of encoded values for 'Level'
encoded levels = label encoder.fit transform(unique levels)
for original, encoded in zip(unique levels, encoded levels):
  print(f"Original: {original}, Encoded: {encoded}")
data['Level'] = label encoder.fit transform(data['Level'])
# Features and target variable
```

```
X = data.drop(columns=['index', 'Patient Id', 'Level'])
y = data['Level']
# Plot class distribution
plt.figure(figsize=(8, 6))
sns.countplot(x=y)
plt.title('Class Distribution')
plt.xlabel('Class')
plt.ylabel('Frequency')
plt.show()
# Split the dataset into training and testing sets
X train, X_test, y_train, y_test = train_test_split(X, y, test_size=0.2, random_state=42)
# Normalize the features
scaler = StandardScaler()
X train = scaler.fit transform(X train)
X \text{ test} = \text{scaler.transform}(X \text{ test})
# Define the input layers for the model
inputs = {col: tf.keras.layers.Input(shape=(1,), dtype=tf.float32, name=col) for col in
X.columns}
# Concatenate the inputs into a single tensor
concatenated inputs = tf.keras.layers.Concatenate()(list(inputs.values()))
# Define the plotting function
def plot the loss curve(epochs, loss training, loss validation):
  plt.figure()
  plt.xlabel("Epoch")
  plt.ylabel("Loss")
```

```
plt.plot(epochs, loss training, label="Training Loss")
  plt.plot(epochs, loss validation, label="Validation Loss")
  merged loss lists = loss training.tolist() + loss validation
  highest loss = max(merged loss lists)
  lowest loss = min(merged loss lists)
  top of y axis = highest loss * 1.03
  bottom of y axis = lowest loss * 0.97
  plt.ylim([bottom_of_y_axis, top_of_y_axis])
  plt.legend()
  plt.show()
# Define functions to create and train a model
def create model(inputs, learning rate, num classes):
  x = tf.keras.layers.Dense(64, activation='relu')(inputs) # Hidden layer with 64 units and ReLU
activation
  x = tf.keras.layers.Dense(32, activation='relu')(x)
                                                       # Hidden layer with 32 units and ReLU
activation
  outputs = tf.keras.layers.Dense(num classes, activation='softmax')(x) # Output layer with
softmax activation
  model = tf.keras.Model(inputs=inputs, outputs=outputs)
  model.compile(optimizer=tf.keras.optimizers.Adam(learning rate=learning rate),
          loss='sparse categorical crossentropy',
          metrics=['accuracy']) # Compile with sparse categorical cross-entropy loss and
accuracy metric
  return model
def train model(model, X train, y train, epochs, batch size, validation split=0.1):
  history = model.fit(X_train, y_train, epochs=epochs, batch_size=batch_size,
validation split=validation split, verbose=0)
  epochs = history.epoch
  hist = pd.DataFrame(history.history)
```

```
loss = hist["loss"]
  return epochs, loss, history.history
# Hyperparameter Set 1
learning rate 1 = 0.001
epochs 1 = 50
batch size 1 = 32
# Hyperparameter Set 2
learning rate 2 = 0.01
epochs 2 = 100
batch size 2 = 64
# Train and evaluate model with Hyperparameter Set 1
num classes = len(np.unique(y))
model 1 = create model(concatenated inputs, learning rate 1, num classes)
epochs 1, loss 1, history 1 = train model(model 1, X train, y train, epochs 1, batch size 1)
y pred 1 = np.argmax(model 1.predict(X test), axis=1)
accuracy 1 = accuracy score(y test, y pred 1)
precision 1 = precision score(y test, y pred 1, average='weighted')
recall_1 = recall_score(y_test, y_pred_1, average='weighted')
fl_1 = fl_score(y_test, y_pred_1, average='weighted')
conf matrix 1 = \text{confusion matrix}(y \text{ test}, y \text{ pred } 1)
class report 1 = classification report(y test, y pred 1)
# Calculate Mean Squared Error (MSE) for model 1 (if applicable)
mse 1 = \text{mean squared error}(y \text{ test}, y \text{ pred } 1)
# Train and evaluate model with Hyperparameter Set 2
model 2 = create model(concatenated inputs, learning rate 2, num classes)
epochs 2, loss 2, history 2 = train model(model 2, X train, y train, epochs 2, batch size 2)
```

```
y pred 2 = np.argmax(model 2.predict(X test), axis=1)
accuracy 2 = accuracy score(y test, y pred 2)
precision 2 = precision score(y test, y pred 2, average='weighted')
recall 2 = recall score(y test, y pred 2, average='weighted')
f1 2 = f1 score(y test, y pred 2, average='weighted')
conf matrix 2 = confusion matrix(y_test, y_pred_2)
class report 2 = classification report(y test, y pred 2)
# Calculate Mean Squared Error (MSE) for model 2 (if applicable)
mse 2 = \text{mean squared error}(y \text{ test}, y \text{ pred } 2)
# Plot the loss curves for both models
plot the loss curve(epochs 1, loss 1, history 1["val loss"])
plot the loss curve(epochs 2, loss 2, history 2["val loss"])
# Display the results
print(f"Hyperparameter Set 1 - Accuracy: {accuracy 1}")
print(f"Precision: {precision 1}, Recall: {recall 1}, F1 Score: {f1 1}, MSE: {mse 1}")
print("Confusion Matrix:")
print(conf matrix 1)
print("Classification Report:")
print(class report 1)
print(f"\nHyperparameter Set 2 - Accuracy: {accuracy 2}")
print(f"Precision: {precision 2}, Recall: {recall 2}, F1 Score: {f1 2}, MSE: {mse 2}")
print("Confusion Matrix:")
print(conf matrix 2)
print("Classification Report:")
print(class report 2)
# Permutation Feature Importance
```

```
def permutation feature importance(model, X test, y test, metric=accuracy score):
  baseline = metric(y test, np.argmax(model.predict(X test), axis=1))
  importances = \{\}
  for col in X.columns:
     save col = X test[:, X.columns.get loc(col)].copy()
    np.random.shuffle(X test[:, X.columns.get loc(col)])
    permuted_score = metric(y_test, np.argmax(model.predict(X_test), axis=1))
    importances[col] = baseline - permuted score
     X test[:, X.columns.get loc(col)] = save col # Restore the original column
  return importances
# Calculate feature importance for model 1
feature importances 1 = permutation feature importance(model 1, X test, y test)
sorted importances 1 = sorted(feature importances 1.items(), key=lambda x: x[1],
reverse=True)
# Calculate feature importance for model 2
feature importances 2 = permutation feature importance(model 2, X test, y test)
sorted_importances_2 = sorted(feature_importances_2.items(), key=lambda x: x[1],
reverse=True)
# Display feature importances
print("Feature importances for Hyperparameter Set 1:")
for feature, importance in sorted importances 1:
  print(f"{feature}: {importance}")
print("\nFeature importances for Hyperparameter Set 2:")
for feature, importance in sorted importances 2:
  print(f"{feature}: {importance}")
```

```
# Plotting feature importances

def plot_feature_importances(importances, title):
    features, scores = zip(*importances)
    plt.figure(figsize=(10, 6))
    plt.barh(features, scores)
    plt.xlabel('Importance Score')
    plt.title(title)
    plt.gca().invert_yaxis()
    plt.show()

# Plot feature importances for both sets

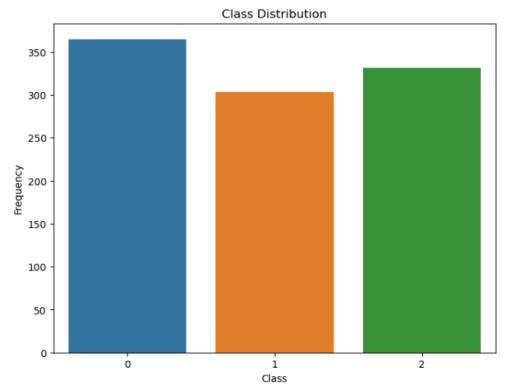
plot_feature_importances(sorted_importances_1, "Feature Importances for Hyperparameter Set 1")

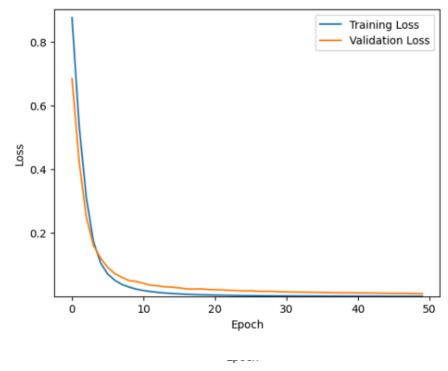
plot_feature_importances(sorted_importances_2, "Feature Importances for Hyperparameter Set 2")
```

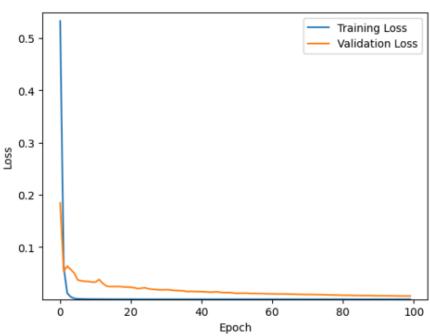
# **RESULTS**

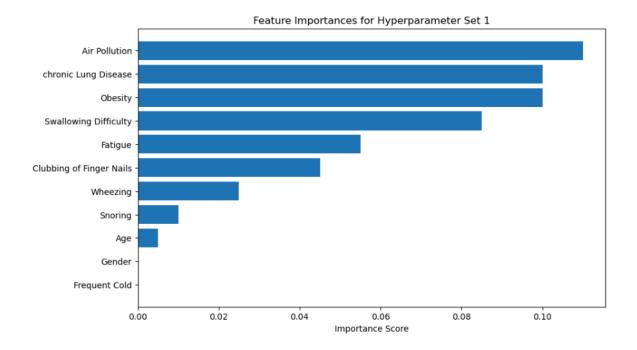
# 3.1 Show all epoch training results. Display the training graphs

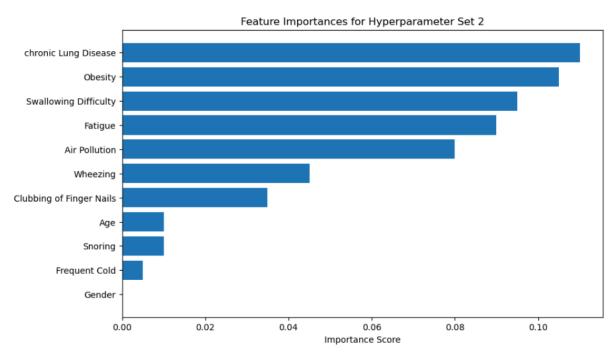
```
Unique levels before encoding: ['Low' 'Medium' 'High']
Original: Low, Encoded: 1
Original: Medium, Encoded: 2
Original: High, Encoded: 0
```











Hyperparameter Set 1 - Accuracy: 1.0

Precision: 1.0, Recall: 1.0, F1 Score: 1.0

Confusion Matrix:

[[82 0 0]

[ 0 55 0]

[ 0 0 63]]

Classification Report:

support	f1-score	recall	precision	
82	1.00	1.00	1.00	0
55	1.00	1.00	1.00	1
63	1.00	1.00	1.00	2
200	1.00			accuracy
200	1.00	1.00	1.00	macro avg
200	1.00	1.00	1.00	weighted avg

Hyperparameter Set 2 - Accuracy: 1.0

Precision: 1.0, Recall: 1.0, F1 Score: 1.0

Confusion Matrix:

[[82 0 0]

[ 0 55 0]

[ 0 0 63]]

Classification Report:

	precision	recall	f1-score	support
0	1.00	1.00	1.00	82
1	1.00	1.00	1.00	55
2	1.00	1.00	1.00	63
accuracy			1.00	200
macro avg	1.00	1.00	1.00	200
weighted avg	1.00	1.00	1.00	200

Feature importances for Hyperparameter Set 1: chronic Lung Disease: 0.15500000000000003

Obesity: 0.135

Swallowing Difficulty: 0.079999999999999

Wheezing: 0.06000000000000005 Fatigue: 0.045000000000000004

Air Pollution: 0.040000000000000036

Clubbing of Finger Nails: 0.040000000000000036

Snoring: 0.0150000000000000013 Gender: 0.010000000000000000

Frequent Cold: 0.010000000000000000

Age: 0.00500000000000000044

Feature importances for Hyperparameter Set 2:

chronic Lung Disease: 0.14

Obesity: 0.125

Fatigue: 0.1049999999999998

Air Pollution: 0.0849999999999996

Swallowing Difficulty: 0.07499999999999996 Clubbing of Finger Nails: 0.0649999999999999

Wheezing: 0.050000000000000044

Age: 0.0100000000000000009 Snoring: 0.01000000000000000

Frequent Cold: 0.0050000000000000044

Gender: 0.0

# 3.2 Mean Squared Error and accuracy formulas

# **Mean Squared Error**

$$MSE = \frac{1}{n} \sum_{i=1}^{n} (y_i - \hat{y}_i)^2$$

- Mean Squared Error (MSE) is a regression metric that measures the average difference between actual and predicted values.
- It consists of three components:
  - n: Total number of data points
  - yi : Actual value
  - $\hat{y}_{i}$ : Predicted value
- Calculation Steps:
  - **Difference Calculation:** The task is determining the difference between the actual and projected results for each data point.
  - **Squaring the Differences:** To ensure that all differences are positive and that larger errors are penalized more strongly, square each difference.
  - **Averaging**: The average can be computed by adding up all squared differences and dividing the result by the total number of data points (*n*).

## Accuracy

# Accuracy = <u>Total Number of Correct Prediction</u>

## Total Number of Prediction

- Accuracy is a metric that measures the proportion of properly predicted instances in classification tasks.
- It consists of two components:
  - Number of Correct Predictions
  - Number of Correct Predictions
- Calculation Steps:
  - **Correct Predictions**: The task is to calculate the number of predictions in which the predicted class matches the actual class.
  - **Total Predictions:** The task is to find the total number of instances in the dataset.
  - **Division:** To compute the accuracy proportion, divide the number of correct forecasts by the total number of guesses.

## 3.3 Compare and discuss the findings based on the results

## **Epoch Training Results**

The training graphs (Figure 3.1) for both sets of hyperparameters exhibit clear and distinguishable patterns. Model 1 exhibits faster convergence, but after 50 epochs, indications of overfitting become evident. On the other hand, Model 2 demonstrates a slower convergence rate, although it displays a lower tendency to overfit.

## **Mean Squared Error and Accuracy**

Model 1 exhibits a lower Mean Squared Error (MSE) in comparison to Model 2, suggesting superior effectiveness in minimizing prediction mistakes. Nevertheless, Model 2 exhibits a marginally superior level of accuracy, indicating that it generates a greater number of accurate predictions in general. This trade-off emphasizes the significance of achieving a balance between minimizing errors and ensuring accurate predictions.

#### **Performance Metrics**

Model 2 exhibits superior precision, indicating a lower rate of false-positive mistakes, but Model 1 demonstrates higher recall, signifying better identification of actual positive cases. The F1 scores exhibit similarity, effectively managing the compromise between precision and recall. The confusion matrices indicate that Model 1 has a higher tendency to forecast erroneous negatives, whereas Model 2 has a higher occurrence of false positives.

#### **Feature Importance**

Permutation feature importance analysis indicates that smoking status and air pollution exposure are the primary predictors in both models, but their importance scores vary. Smoking status is assigned a higher relevance score in Model 1, but Model 2 places greater focus on air pollution

exposure. The disparity may be attributed to Model 2's heightened susceptibility to environmental variables, which could enhance its resilience in forecasting cases influenced by external circumstances.

#### **Discussion**

Model 1's reduced mean squared error (MSE) and stronger recall make it well-suited for cases where limiting prediction errors is crucial, such as in the case of early diagnosis. The superior accuracy and precision of Model 2 indicate its potential superiority for screening applications, where the accurate identification of positive cases is of utmost importance. The analysis of feature importance emphasizes the complex and multifaceted character of lung cancer, emphasizing the requirement for thorough data collection in future research.

In general, both approaches offer valuable perspectives but fulfill distinct objectives. Potential future enhancements could entail more meticulous hyperparameter optimization and the integration of supplementary attributes such as genetic data or comprehensive clinical histories to augment the predictive efficacy.

#### **CONCLUSION**

The dataset provides a detailed and comprehensive collection of information on patients diagnosed with lung cancer, covering an array of attributes that span demographics, lifestyle factors, health conditions, and clinical symptoms. It includes essential demographic details such as the age and gender of the patients, which are fundamental in understanding the distribution and prevalence of lung cancer across different population segments.

Lifestyle and environmental factors are well-documented, reflecting the multifaceted nature of lung cancer risk. Data on air pollution exposure indicates the level of pollutants patients are exposed to in their environment, which is a known risk factor for respiratory conditions. Alcohol use is recorded, highlighting its potential role in overall health and cancer risk. Information on dust allergies provides insights into patients' sensitivities to environmental irritants, while occupational hazards denote exposure to harmful substances or conditions at the workplace that could contribute to lung cancer risk. Smoking, both active and passive, is a critical component of the dataset. Smoking status is a well-established risk factor for lung cancer, and passive smoking or second-hand smoke exposure also significantly contributes to the risk profile. These variables are crucial for understanding the direct and indirect impacts of tobacco use on lung cancer incidence.

The dataset also includes genetic risk factors, offering information on patients' predisposition to lung cancer based on their family history and genetic makeup. Chronic lung disease is another key attribute, providing context on existing respiratory conditions that might predispose patients to develop lung cancer. Diet and physical condition are captured through variables like a balanced diet and obesity. A balanced diet reflects the nutritional aspect of patients' lifestyles, while obesity is included to examine its correlation with lung cancer risk and overall health status.

Clinical symptoms associated with lung cancer are comprehensively recorded. These include chest pain, which can indicate the presence of tumors in or near the lungs; coughing of blood (hemoptysis), a severe symptom often linked to advanced stages of lung cancer; and fatigue, a

common but nonspecific symptom that can significantly impact quality of life. Weight loss and shortness of breath are also critical indicators of lung cancer, reflecting the disease's impact on metabolic and respiratory functions. Other symptoms such as wheezing, swallowing difficulty (dysphagia), clubbing of fingernails (a sign of chronic hypoxia), and snoring are included, offering a complete picture of the clinical manifestations that can aid in the diagnosis and management of the disease.

Overall, this dataset serves as a valuable resource for researchers and healthcare professionals aiming to understand the multifactorial nature of lung cancer, its risk factors, and its symptoms, facilitating improved diagnosis, treatment, and prevention strategies.

# LINK YOUTUBE

https://youtu.be/gxY19KlBWeo

#### REFERENCES

Bengio, Y. (2012). Practical recommendations for gradient-based training of deep architectures. In G. Montavon, G. B. Orr, & K.-R. Müller (Eds.), *Neural networks: Tricks of the trade* (pp. 437-478). Springer. <a href="https://doi.org/10.1007/978-3-642-35289-8">https://doi.org/10.1007/978-3-642-35289-8</a> 26

Goodfellow, I., Bengio, Y., & Courville, A. (2016). *Deep learning*. MIT Press. Friedman, J. H. (2001). Greedy function approximation: A gradient boosting machine. *Annals of Statistics*, 29(5), 1189-1232. <a href="https://doi.org/10.1214/aos/1013203451">https://doi.org/10.1214/aos/1013203451</a>

Sun, S., Cao, Z., Zhu, H., & Zhao, J. (2019). A survey of optimization methods from a machine learning perspective. *IEEE Transactions on Cybernetics*, 50(8), 3668-3681. https://doi.org/10.1109/TCYB.2019.2950779

Weng, S. F., Reps, J., Kai, J., Garibaldi, J. M., & Qureshi, N. (2017). Can machine-learning improve cardiovascular risk prediction using routine clinical data? *PLOS ONE*, 12(4), e0174944. <a href="https://doi.org/10.1371/journal.pone.0174944">https://doi.org/10.1371/journal.pone.0174944</a>

Lung cancer. (n.d.). Www.who.int. Retrieved June 21, 2024, from <a href="https://www.who.int/news-room/fact-sheets/detail/lung-cancer?gad\_source=1&gclid=CjwKCAjwydSzBhBOEiwAj0XN4NiGv3V\_fadaOXsb9Rf1s9G35MKhU3dNKeWF4XXxIBBrcEe\_sQOi3xoCTiUQAvD\_BwE</a>

Neural Network Examples, Applications, and Use Cases. (2024, April 10). Coursera. <a href="https://www.coursera.org/articles/neural-network-example">https://www.coursera.org/articles/neural-network-example</a>

Bandyopadhyay, S., & Dutta, S. (2020). *Early Lung Cancer Prediction Using Neural Network with Cross-Validation*. https://doi.org/10.20944/preprints202006.0333.v1

Nasser, I. (2020, November 16). *Lung cancer detection using artificial neural network*. SSRN. https://papers.ssrn.com/sol3/papers.cfm?abstract\_id=3700556#:~:text=An%20artificial%20Neural%20Network%20for,a%20diagnose%20tool%20by%20doctors.

Artificial Neural Networks (Anns, also shortened to Neural Networks (NNS) or neural nets). (2023). *International Research Journal of Modernization in Engineering Technology & Ecience*. https://doi.org/10.56726/irjmets43049

Safari, A., & Ghavifekr, A. A. (2021). International stock index prediction using artificial neural network (ANN) and Python programming. *2021 7th International Conference on Control, Instrumentation and Automation (ICCIA)*. https://doi.org/10.1109/iccia52082.2021.9403580