

Model Development Phase Template

Date	29 June 2024
Team ID	SWTID1720447482
Project Title	Thyroid Classification
Maximum Marks	5 Marks

Feature Selection Report Template

In the forthcoming update, each feature will be accompanied by a brief description. Users will indicate whether it's selected or not, providing reasoning for their decision. This process will streamline decision-making and enhance transparency in feature selection.

Feature	Description	Selected (Yes/No)	Reasoning
query_hypothyroid	Query on hypothyroidism	Yes	Relevant for identifying potential cases of hypothyroidism.
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lithium	Lithium medication usage	Yes	Relevant as lithium can affect thyroid function.
goitre	Presence of goitre	Yes	Goitre is directly related to thyroid gland abnormalities.
tumor	Presence of thyroid tumor	Yes	Tumors can affect thyroid function and are relevant.
hypopituitary	Hypopituitary condition	Yes	Relevant as pituitary disorders can affect thyroid function.
psych	Psychological medication usage	Yes	Relevant as certain psych medications can impact thyroid function.
TSH	Thyroid Stimulating Hormone level	Yes	Primary indicator of thyroid function.
T3	Triiodothyronine level	Yes	Active thyroid hormone level important for classification.
TT4	Total T4 level	Yes	Total thyroxine level important for classification.

T4U	Free thyroxine index	Yes	Reflects thyroid function relevant for classification.
FTI	Free Thyroxine Index	Yes	Reflects thyroid function relevant for classification.
TBG	Thyroxine-Binding Globulin level	Yes	Protein carrier for thyroid hormones relevant for classification.