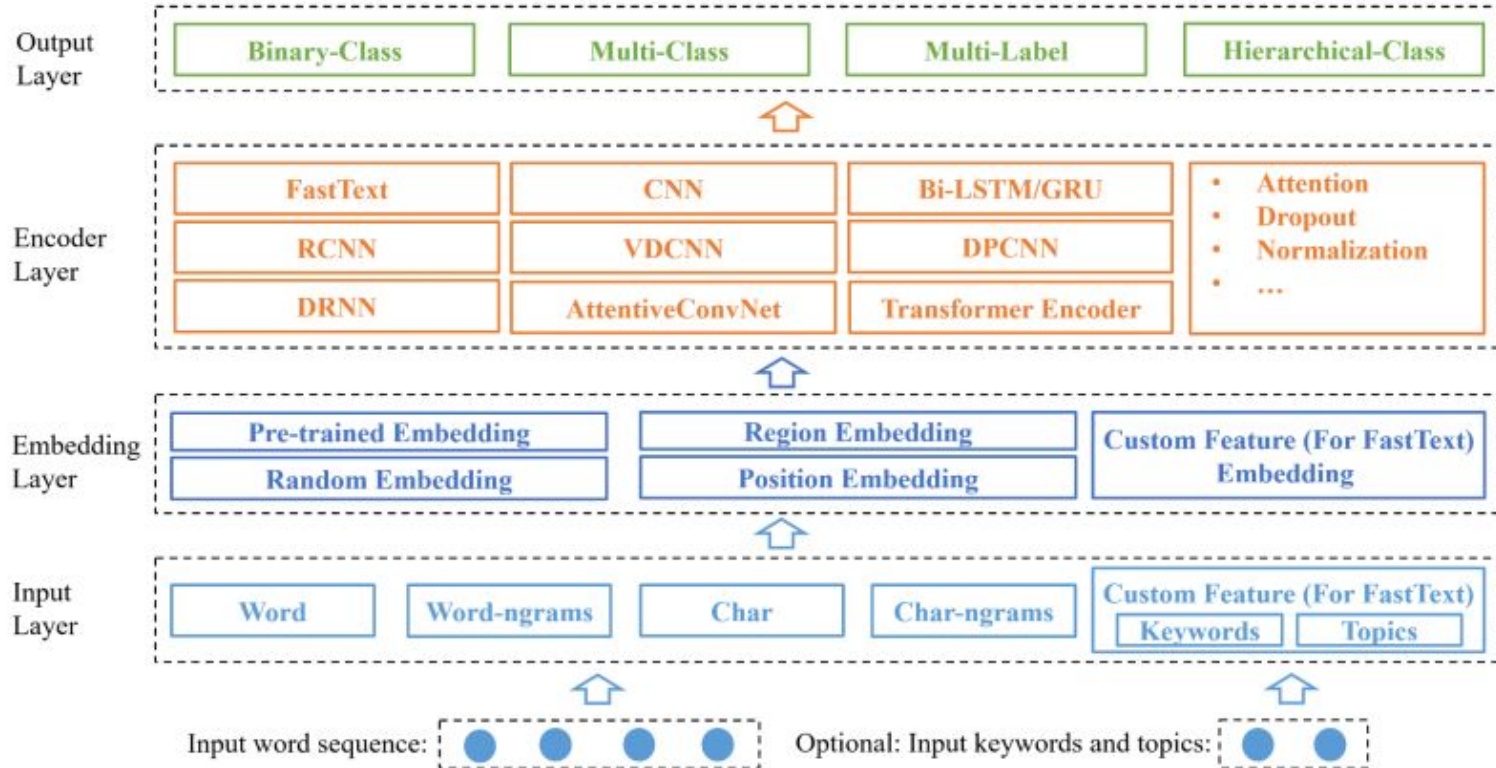




Presentation2



Neural Classifier



[[Neural Classifier]] - Input Layer

- Tokens
- Char
- N-grams
- Topic tokens

[[Neural Classifier]] - Classification Forms

- Binary-class
- Multi-class
- Multi-label
- Hierarchical

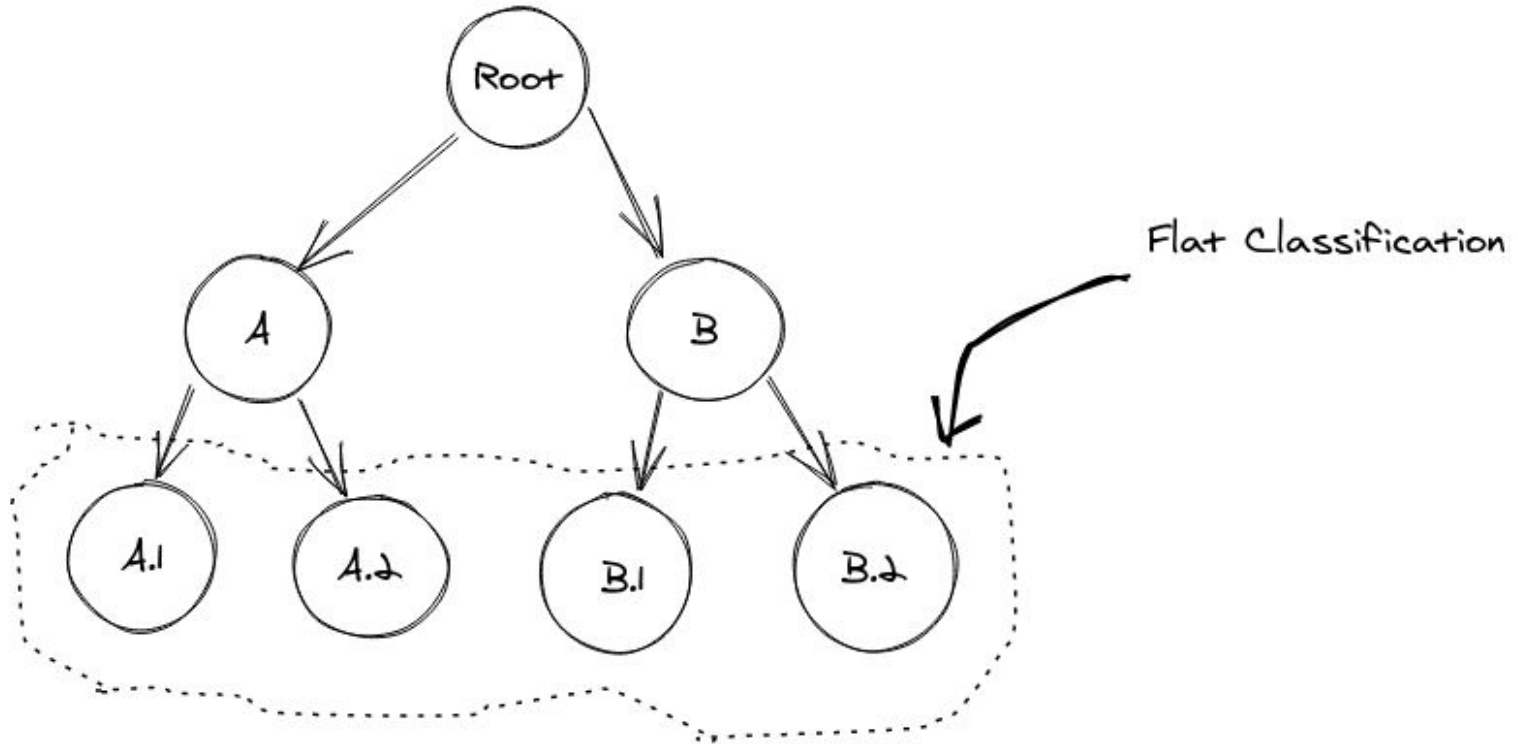
[[Neural Classifier]] - Recursive Regularization

$$\lambda(\mathbf{W}) = \sum_{n \in \mathcal{N}} \frac{1}{2} \|w_n - w_{\pi(n)}\|^2$$

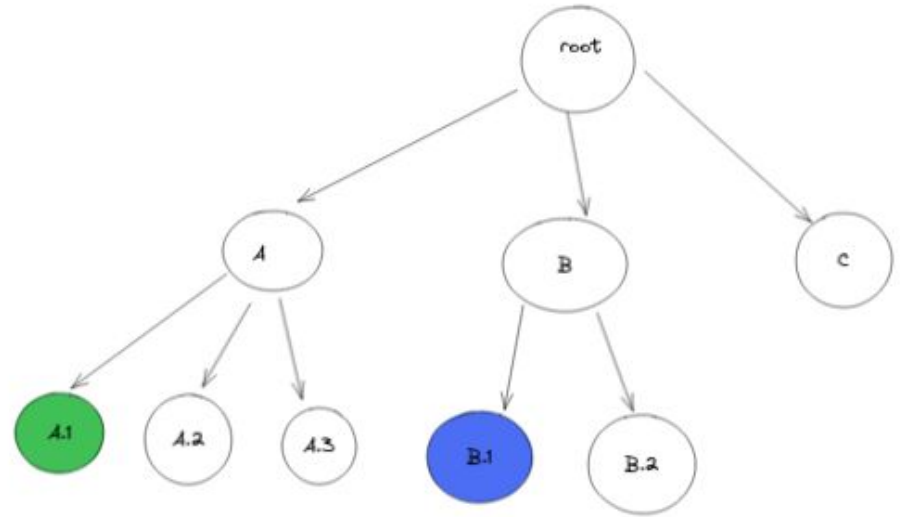
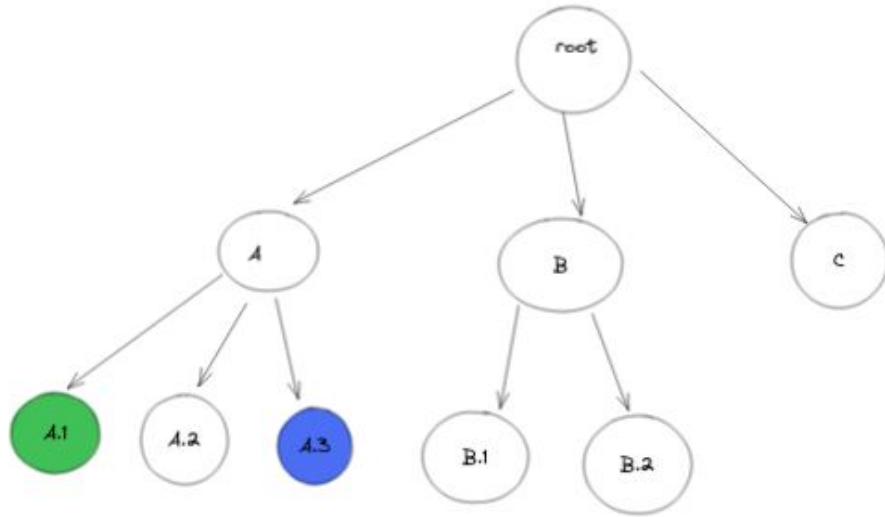
Gopal et al

<https://dl.acm.org/doi/10.1145/2487575.2487644>

[[Evaluation]] - Flat Evaluation



[[Evaluation]] - Hierarchical



Tree Error

[[Evaluation]] - Hierarchical

- Metrics at different tree levels