

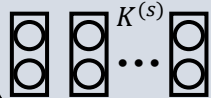
**Feature
Extractor**

Shared Features

Severity Level Estimation (Coarse-Grained)

Encoder

Binary Classifiers



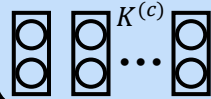
$$\begin{bmatrix} 1 & 0 \\ 1 & 0 \\ \dots & \dots \\ 0 & 1 \end{bmatrix}$$

$$\hat{r}^{(s)}$$

Ordinal Regression Head Binary Predictions

Encoder

Binary Classifiers



$$\begin{bmatrix} 1 & 0 \\ 0 & 1 \\ \dots & \dots \\ 0 & 1 \end{bmatrix}$$

$$\hat{r}^{(c)}$$

Cobb Angle Level Estimation (Fine-Grained)