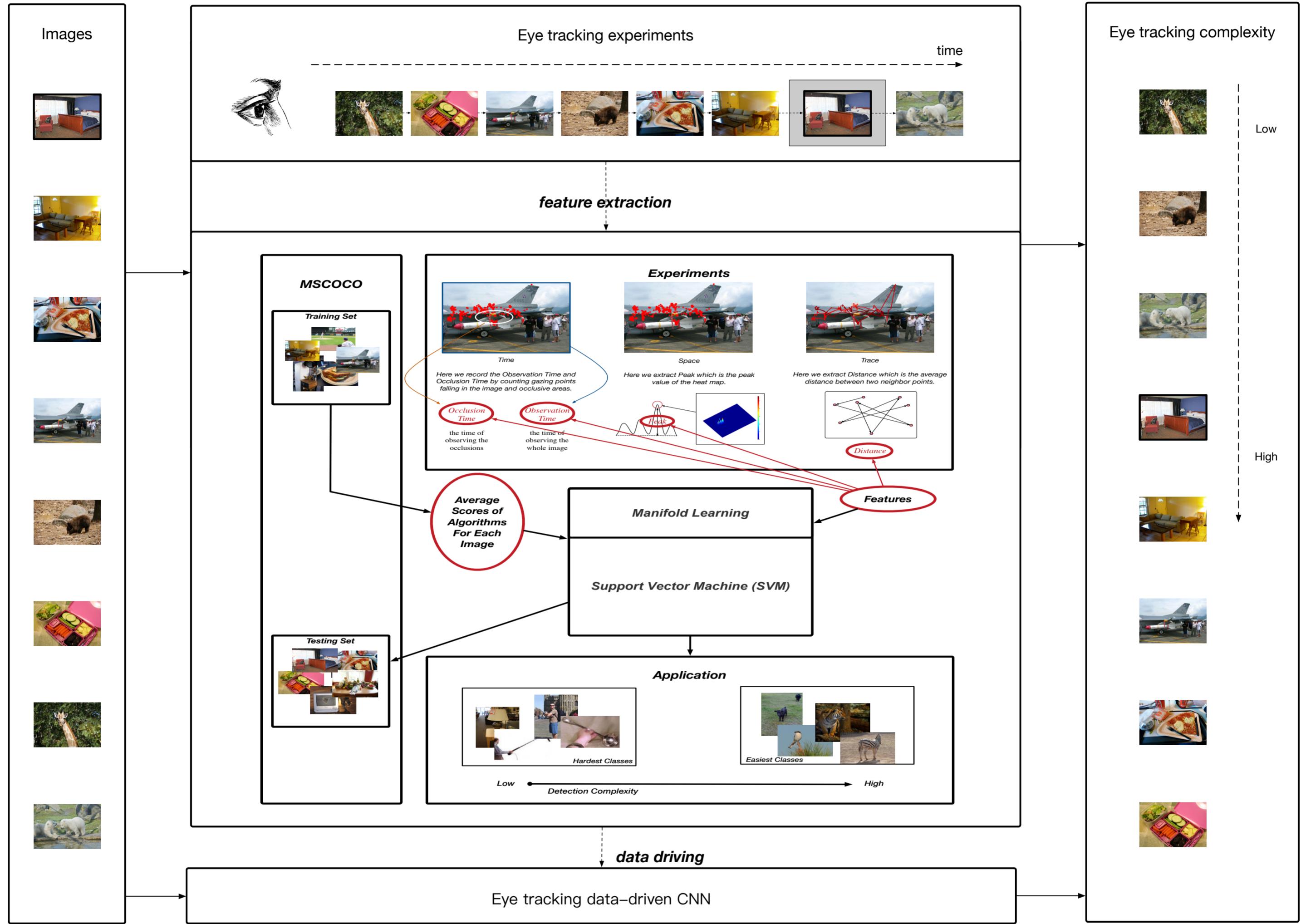




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Interactive System for Human-Centered Data Collection and Analysis

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Contributions

(+) **Human vision quantifying:** Eye tracking features including scan path, heat map, components of scan path, and peaks of heat are either introduced or newly defined.

(+) **New complexity definition:** A new metric of image complexity is defined based on these eye tracking features. It also has been validated that the new defined complexity corresponds to the detection algorithms' average precision.

(+) **Automatic computation:** The new defined complexity can be computed either by carrying out eye tracking experiments and extracting eye tracking features, or just through a pre-trained CNN.

