

1a. A model that allocates which mail folder an email should be sent to (work, friends, promotions, important), like Gmail's inbox tabs.

Category: Text Classification

Explanation: This involves grouping emails into different folders based on their content or context. It requires classifying incoming emails into predefined categories such as work, friends, promotions, and important.

b. A model that helps decide what grade to award to an essay question. This can be used by a university professor who grades a lot of classes or essay competitions.

Category: Automated Essay Scoring

Explanation: This is assessing and assigning grades to essay questions without human intervention. It uses techniques that are employed to analyse and assess the quality, coherence, grammar, and other relevant aspects of essays to determine an appropriate grade.

c. A model that provides assistive technology for doctors to provide their diagnosis. Remember, doctors ask questions, so the model will use the patients' answers to provide probable diagnosis for the doctor to weigh and make decisions.

Category: Clinical Decision Support System

Explanation: This use-case involves developing an assistive technology for doctors in the diagnostic process. It relies on natural language understanding techniques to interpret and analyse the patients' answers to questions asked by doctors. Clinical decision support (CDS) provides clinicians, staff, patients or other individuals with knowledge and person-specific information, intelligently filtered or presented at appropriate times, to enhance health and health care.