|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Machine Learning Teaching Rubric | | | | |
| Learning Objective | Examples | Achieves | Mostly There | Developing |
| Essential questions and objectives are thoughtful, realistic, and scaled  10 points | - Gets to the heart of the topic  - Abstracted at the appropriate difficulty level  - Identifies and provokes interesting discussions  - Sets up students for success in future CS classes | All criteria met | Most criteria met | Inconsistent |
| Lessons flow in a way that builds student understanding  10 points | - Difficulty and intensity build  - Jumps in difficulty aren’t too large  - Topic is examined from multiple different perspectives  - Lessons use provided time well | Regular Examples | Multiple Examples | Infrequent examples |
| Materials are provided and are professional  20 points | - Slides (if applicable) are visually interesting and flow well  - Worksheets/homework (if applicable) include instructions and are self-obvious  - Worksheets/homework (if applicable) require a realistic amount of time to complete  - Rubrics (if applicable) are clear, achievable, and eliminate ambiguity | All criteria met | Most criteria met | Inconsistent |
| Assessment accurately measures students understanding  10 points | - Questions/activities highlight mastery or confusion  - Questions test generalizability of students understanding | Regular Examples | Multiple Examples | Infrequent examples |
| Lessons identify and utilize best-practice techniques throughout lesson  10 points | - Lessons utilize at least 5 different “best practice” techniques  - “Best practice” techniques are identified in parentheticals and highlighted in green wherever they occur in lesson plan  - All opportunities to apply “best practice” are taken | Regular Examples  All possible instances identified | Multiple Examples  Most instances identified | Infrequent examples  Instances inconsistently identified |
| Lesson is engaging  15 points | - Lesson reframes/explains a real-world concept  - Lesson requires some sort of problem solving/logic  - Lesson allows students to show creativity | Regular Examples | Multiple Examples | Infrequent examples |
| Chat bot queries lead to a higher quality lesson  15 points | - All ChatBot queries are documented  - The effects on your lesson/thinking caused by the answers are clearly documented | All q/a’s show thought and reaction | Most q/a’s show thought and reaction | Inconsistent questions and documentation |
| Analogs to ML are identified throughout the lesson  10 points | - Vocabulary from ML lessons are identified in parentheticals and highlighted in red wherever appropriate in lesson plan | All possible instances identified | Most instances identified | Instances inconsistently identified |