**Group Project Instruction**

**Deliverables:**

1. A written report with **NO** more than 10 pages including appendix.
2. A deck of slides

**Options (Italic indicates it is the original instruction from course outline):**

*iii) develop trading strategies by applying a web crawler and analyzing the data using AI*

*algorithms.*

For trading strategies, you need to propose and test the strategies. Data analysis and code are required.

For web crawlers, please contact me for help if you want to scrape blockchain-related websites. For AI algorithms, <https://github.com/ageron/handson-ml2> is a good start.

As to the format, there is no particular requirement.

**Assessment:**

**Assessment Criteria for Group Project**

The written report stands for 20% and is evaluated from 4 aspects including problem statement, creativity, feasibility, and writing. In-class presentation stands for 10%. In total, the Group Project stands for 30%.

For written report

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| **Traits** | **Performance**  Evaluation: Scant 1 2 3 4 5 6 7 8 9 10 Substantially Developed | |
| **1.Problem statement 5%**  Identifies the problem and analyze the market prospect. | **Scant**  Unable to identify any real problem. Demonstrates limited understanding of the problem or related contextual factors. | **Substantially Developed**  Problem is clearly identified and stated. Demonstrates the ability to construct a clear and insightful problem statement with evidence of all relevant contextual factors. The market prospect is properly analyzed. |
| **2. Creativity 5%**  Solves the problem with creativity. | **Scant**  Ideas are not developed in original and unique ways. Reformulates a collection of available ideas. | **Substantially Developed**  Ideas developed are original. Able to extend a novel idea to create new knowledge that crosses boundaries. |
| **3. Feasibility 5%**  Solves the problem with feasibility. | **Scant**  The proposed solution lacks of feasibility in either technology realization or business model. Does not specify how the implementation will be monitored and controlled. No indicators or instruments to review or analyze the success of the action. | **Substantially Developed**  The proposed solution is achievable in either technology realization or business model. Able to state how the implementation will be monitored effectively; identifies the stages at which progress should be measured and specify what results are expected to have been achieved at these stages. |
| **4. Writing 5%**  The report should be well organized with supporting evidence and proper analysis. It should be clear without grammar errors and typos. | **Scant**  The report is difficult to follow and has many grammar errors or typos. | **Substantially Developed** The report is well-written and supplemented with figures, tables, or demos of app. |

For presentation,

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| **Traits** | **Performance**  Evaluation: Scant 1 2 3 4 5 6 7 8 9 10 Substantially Developed |

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|  | **Scant** | **Substantially Developed** |
| Content 5%   * Presents relevant information * Supports main points with strong evidence | Content is erroneous or irrelevant; references and supporting materials are absent. Lacks of depth in content and little insights are exhibited. Presentation falls outside set time parameters. | Content is accurate, thorough, and directly on point; strong support and references are provided. Exhibits depth and insight in content. Effective use of time and stays within time parameters. |
| Verbal 3%   * Speaks at appropriate speed and volume * Uses correct grammar and pronunciation | Grammar, pronunciation and word choice are deficient. Vocal delivery is too soft or too fast to understand; gap-fillers interfere with expression. | Free of errors in grammar and pronunciation; good choices of word enhance clarity of expression. Vocal delivery is varied and dynamic. Speech rate, volume, and tone facilitate audience comprehension. Minimal gap fillers. |
| Non-Verbal 2%   * Establishes eye contact * Uses gestures and movement to convey energy and confidence | Eye contact, posture, gestures, movement and facial expressions are inappropriate and significantly distracting. | Eye contact, posture, gestures, movement and facial expressions make the presentation compelling, and speaker appears polished and confident. |

As discussed earlier, I will invite all of you in assessing your fellow classmates’ projects. Each group will have one vote for the other projects. The creativity and feasibility part of marks will incorporate the evaluation from your fellow classmates.