IIT ASSIGNMENT 2 SUBMISSION INFORMATION

**ASSESSMENT CRITERIA:**

* Team Profile
* Tools
* Industry Data
* IT Work
* IT Technologies
* Project Ideas
* Feedback
* Group Reflection
* Presentation

**TEAM PROFILE**

**TEAM NAME**

XVI

**PERSONAL INFORMATION**

**IDEAL JOBS**

**TOOLS**

**INDUSTRY DATA**

**IT WORK**

**IT TECHNOLOGIES X 4**

**Raspberry Pi - Nat**

**Cloud services and servers – Josh**

**Cyber Security - Connor**

**Machine Learning – Corbin**

IIT Assignment 2 Essay – Machine Learning

What does it do? 600

Machine learning is a concept in computer programming that essentially means a program has in-built functions that allow it to learn through experience rather than input from a human. Cutting edge – Uber, self-driving cars, google, amazon, smaller black box companies (PlantVillage)

“Instead of a programmer spending innumerable hours writing a program, they just have to write a few lines of rules and input a large amount of data to be processed then the ML program will output its own program data.”

How does it work? Input data and results/Output program, supervised/unsupervised, identifying trends in data, collusion filters/file compression, methods and neural networks.

What is the likely impact? 300

Before long, machine learning will affect every faucet of life. The amount of funding and research being thrown at ML indicates that there is a large interest from industry. Uber, PlantVillage, IdeaStream 2020, Coronavirus implications (relevance)

How will this affect you? 300

ML is only going to continue to become more and more prevalent in our every-day lives. All the large app that we use today (Facebook, Instagram, Twitter etc) already have some form of in-built ML function that we interact with constantly. As further development is put into IoT, it will also start to involve ML, meaning every time we use any household technology, even the toaster, we will be giving data to one, if not many, ML programs.

<https://www.youtube.com/watch?v=ukzFI9rgwfU>

<https://www.youtube.com/watch?v=VwVg9jCtqaU>

<https://en.wikipedia.org/wiki/Machine_learning>

<http://news.mit.edu/2020/what-is-covid-19-data-tsunami-telling-policymakers-0701>

<http://news.mit.edu/2020/mit-toyota-release-visual-open-data-accelerate-autonomous-driving-research-0618>

<https://www.datamation.com/big-data/top-15-machine-learning-companies.html>

<https://www.iita.org/news-item/artificial-intelligence-a-game-changer-for-agriculture-in-africa/>

<http://news.mit.edu/2020/what-can-your-microwave-tell-you-about-your-health-mit-sapple-0518>

**PROJECT IDEAS**

**FEEDBACK**

**GROUP REFLECTION**