Lesson Objectives:
- Students will be able to describe Crowd Counting the utilization of it within “Big Data” and data collection.
- Students will understand the importance of Data Collection and where Crowd Counting fits into Data.
- Students will be able to compare and contrast machine learning methods, AI, and Computer Vision applications.

Day 1: Data
- Introduce Data and Data Collection (presentation)
- Introduce and discuss Crowd Counting and its importance.
- Create teams for “Counting Activity”

Day 2: Crowd Counting
- “Crowd Counting” worksheet activity
- Introduce the Crowd Counting website
- Discuss Crowd Counting algorithm

Day 3: Computer Vision
- Intro and work with Crowd Counting website
- Introduction to UCF Center for Research in Computer Vision.

Mission: GROWTH and Be BETTER.
My GOALS for this summer were to for me to GROW as a COMPUTER SCIENCE teacher, then challenge my students GROW and be BETTER thinkers and ultimately spread the word of COMPUTER SCIENCE and COMPUTER VISION.

Standard(s)/Benchmark(s) Addressed:
- EK 4.1.1H: Different algorithms can be developed to solve the same problem.
- EK 4.2.3B: A decidable problem is one in which an algorithm can be constructed to answer “yes” or “no” for all inputs.
- EK 4.2.4E: Sometimes, more efficient algorithms are more complex.

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