

Q1 How can your discipline add value to the community initiative?

- Lending the expertise that a computer scientist innately possesses that is required for cycle counters:
 - Create the software/program, or aid in its development.
 - Give insight:
 - How the program functions,
 - To teach or provide understanding to others.
 - Help maintain the program:
 - The underlying program is not guaranteed to be perfect and bug free
 - And will benefit if there was a computer scientist that can:
 - Fix bugs,
 - Maintain the code,
 - And provide support for the software behind the cycle counters.

Q2 If your discipline wasn't involved would the bike counters still run the same?

- The software behind the cycle counters can for sure still run, but likely not to the same effectiveness:
 - For example, part of the computer scientist's expertise could be to provide the optimal algorithms in order to solve specific problems,
 - Without it, the cycle counters might not operate as efficiently:
 - This could be the speed at which the counter can display or update its data.
 - And may cause discontent among the public if the counter is too slow or inaccurate.
 - Which can lead to the public losing confidence in the product and consider it to be unreliable.
- Without a computer scientist, problems can occur potentially costing time, resources, and or money
- These same problems could lead to misinformation and inaccurate data. Which can lead to:
 - Larger and longer-term issues,

- Developing public bias from the inaccurate data obtained,
- These factors can affect the decisions of the future which leads back to the previous point – costing time, resources, and or money.

Q3 When could the community seek advice from your discipline?

- Anything to do with computers or computing in general, anything that they can lend their expertise in assisting, which would be primarily the software for the cycle counters:
 - The computer scientist will help the community to develop the code:
 - Similar to how film directors get help from martial artists to ensure the fights are as authentic as possible – computer scientists can provide the same type of service.
 - The community can seek advice:
 - If there is a computational problem that needs solving,

- Or to improve the software side of the cycle counters in general.
- Help identify long term issues that the less experienced may overlook.