Proof of Reaching out to Teaching Team

$\overline{+}$ **SYDE 121: Assignment 1 Questions** You forwarded this message on Thu 10/21/2021 10:04 AM Niharika. Wed 10/20/2021 9:51 AM To: Parsa Ashrafi Fashi <pashrafifashi@uwaterloo.ca> Hello. I'm Niharika from SYDE 121. I had a few questions about the assignment/general content I wanted to clarify and help understanding. 1) For Standard Deviation, are we allowed to use the formula below. This formula is just the one I am more familiar with and understand. I am aware that in the piazza this question was raised, and the answer was that we were allowed but to consider runtime efficiency. I am bit confused on what this exactly means and how to calculate it.

2) In C++ I am aware that we must specify the variable type. What exactly does the "auto" type mean? I was under impression that it gave type that was declared when initializing the variable but that does not seem to be what is

auto avg = sum / counter

*sum and counter were also declared as auto. This the first time avg is being initialized.

happening. For example, if try to calculate the average I say:

This does not give a float value which is what I am looking for. Hence I am bit a confused on how exactly 'auto' works?

Thank you, Niharika



