Let’s write and code and algorithm!
To average the online user reviews of the MIT Sloan / CSAIL AI online course.

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Our MIT Sloan / CSAIL AI ONLINE COURSE
ARTIFICIAL INTELLIGENCE:
IMPLICATIONS FOR BUSINESS STRATEGY

ONLINE SHORT COURSE

Gain the knowledge and confidence to support the integration of AI into your organization.

Certificate Track: Management and Leadership
Goals and Challenges

Goals:

- Compute the average online reviews of all current and past users of the online course.
- Update the average on real time, accessible at anytime.
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⇒ Write and Code an **Efficient Algorithm**
What is an algorithm?
15 minute session within groups of 5 people:

- Define what an algorithm is, in your own words.
- Provide 2 examples of algorithms.
What is an efficient algorithm?
FAST

MINIMIZE
NUMBER OF OPERATIONS

LOW MEMORY

MINIMIZE
Storage Memory
An example: simple average

When measuring the average over 2 reviews:

\[ \text{Average} = \frac{R_1 + R_2}{2} \rightarrow 2 \text{ operations} \]

When measuring the average over 5 reviews:

\[ \text{Average} = \frac{R_1 + R_2 + R_3 + R_4 + R_5}{5} \rightarrow 5 \text{ operations} \]

When measuring the average over \( N \) reviews:

\[ \text{Average} = \frac{R_1 + R_2 + ... + R_N}{N} \rightarrow N \text{ operations} \]

Storage memory: 1 single value (decimal), the Average
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In the case of the online review average of the MIT AI course?