

1. As far as computers are concerned, **I am a primary user of**

- ☐ Windows
- ☐ Mac
- ☐ Linux
- ☐ Chrome OS
- ☐ Other (please specify): \_\_\_\_\_

2. **How many programming languages do you know?**

Since the concept of knowing a programming language is rather vague, let's be more specific. For the purpose of this questionnaire, we consider that someone knows a language if they can implement the following algorithm using that language:

Consider the following Monte Carlo algorithm for calculating of Euler-Mascheroni constant (Euler–Mascheroni constant (aka Euler constant)  $\gamma \approx 0.57$ , is, next to  $\pi$  and  $e$ , one of the most important mathematical constants):

1. Generate uniformly distributed on  $(0, 1]$  random numbers  $u$ .
2. Calculate

$$w = 1 - \left\{ \frac{1}{u} \right\}, \quad (1)$$

where  $\{x\}$  denotes the fractional part of  $x$ .

3. Repeat steps 1. and 2.  $n$  times and calculate the average of  $w_i$ .

$$\bar{w}(n) = \frac{1}{n} \sum_{i=1}^n w_i. \quad (2)$$

The average value  $\bar{w}(n)$  approaches the value of Euler constant as  $n$  grows bigger and bigger.

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- ☐ I am going to learn my first programming language in PHYS 2200
  - ☐ One
  - ☐ Two or more

**3. Are you taking another class that requires you to use a GitHub account?**

- ☐ Yes (please specify if more than one class: \_\_\_\_\_)
- ☐ No
- ☐ Not sure

**4. Chose one statement below that best describe your attitude toward PHYS 2200.**

- ☐ I just need a class to graduate
- ☐ I want to learn in this class as much as possible (and get a good grade)
- ☐ Other (please specify: \_\_\_\_\_)