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Spring 2018

Canonical Error Analysis In Introductory Programming - Call for Participation

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Recommended Citation

Honig, William L.. Canonical Error Analysis In Introductory Programming - Call for Participation. Canonical Error Analysis In Introductory Programming - Call for Participation, , , 2018. Retrieved from Loyola eCommons, Computer Science: Faculty Publications and Other Works,

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Cannonical Error Analysis for Introductory Programming

A call for interested researchers

What?

1. A standard equivalence class for errors made in programming (Comp 170, 271, 313?, others?)
2. Allows **counting of errors**
3. Enables **analysis** of error **causes**
4. Use to improve teaching and tutoring

Part of a standard quality process.
Common in software engineering.
Less addressed in introductory programming.

How?

1. Adapt and standardize a set of error categories
2. Test ability of faculty / TA / RA to use categories
 - Grading exams
 - Grading assignments
3. Track some numbers and see what we learn
4. Valuable to the field

Interested? Let's discuss and plan this summer