Transitioning to a Large-Scale Distributed Programming Course

Paul Schmiedmayer   Lara Marie Reimer   Marko Jovanović   Dominic Henze   Stephan Jonas

Technical University of Munich, Munich, Germany

- We transformed a Swift programming course from a lecture hall setting to a distributed setting using remote supervision.

- We used live-streamed pre-recorded sessions, chat and video communication, and a remote desktop connection to macOS machines to enable students to participate in the course.

- The homework correction was conducted using a semi-automated code review process using pull requests and a code review bot.

- The overall reaction was positive and the semi-automated review was perceived as helpful. Some students hesitated to ask questions in the virtual setting.