

***On a complementary relationship between LAA (language analytic ability) and revision: Findings from two classroom-based studies***

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Written corrective feedback (WCF) studies have investigated language analytical ability (LAA) (Benson & DeKeyser, 2019; Sheen, 2007; Stefanou & Révész, 2015) and revision opportunity (Ekanayaka & Ellis, 2020; Shintani, Ellis, & Suzuki, 2014). These studies suggest that learners with higher LAA benefit more from WCF and that learners with revision opportunity benefit more from WCF than those without. However, Shintani and Ellis (2015) indicated that high LAA learners may demonstrate larger gains when revision is not required, whereas low LAA learners may benefit from revision. Despite its potential to increase our understanding of learners' WCF processing, this complementary relationship remains underexplored. To fill this gap, two classroom-based experimental studies were conducted. Study 1 recruited 38 students in an English-as-a-Second-Language (ESL) writing program at a U.S. university. They were assigned to either a direct group (n = 22) or indirect group (n = 16). These two groups were matched on LAA. Randomly paired up within the same group, they collaborated on two animation description tasks in Google Docs for 50 minutes on separate computers. As they collaborated, the direct group received the correct form for their errors on the referential articles from the instructor, whereas the indirect group had their article errors only highlighted. They individually worked on animation description and error correction tests as pre-test, post-test, and delayed post-test. Generalized linear mixed-effects model was performed to test if LAA and revision are associated with their changes from one testing point to another. Study 2 served as approximate replication of Study 1, recruiting another cohort of 38 students in the same ESL program. Results suggested the complementary relationship between LAA and revision in Study 1 and Study 2. The presentation will discuss these findings in relation to previous WCF studies and conclude with the importance of replication in WCF research.