The Effect of Motivation on Students’ Preference for Acoustic or iPad Instruments: Comparing Guitars and Gayageums

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Purpose of the Study
1. To examine the effect of motivation on upper-grade elementary students’ preferences for acoustic or iPad instruments
2. To determine if the cultural associations of the musical instruments affect students’ instrument preferences

Methods
1. A Quasi-Experimental, “Multiple Intervention Within-Subjects Design” (Dooley, 2001, p. 222)
2. Research Questions
   1) Is there a significant difference in participants’ preference for acoustic or iPad versions of an instrument?
   2) Is there a significant difference in participants’ instrument preference by their motivation levels (high, medium-high, medium-low, or low)?
   3) Is there a significant difference in students’ instrument preference based on the instruments’ cultural familiarity (either familiar or unfamiliar)?
   4) Is there a significant difference in students’ instrument preference based on institutional setting (either private or public)?
   5) Is there an interaction effect among the independent variables?
   6) Is there a significant difference between participants’ instrument choice (acoustic or iPad) and other independent variables?
   7) What reasons do participants provide for their instrument preferences?

3. Why Guitars and Gayageums?
   1) Both are chordophones (Hornbostel and Sach, 1961)
   2) Cultural familiarity

Results
1. Participants (N=141)

2. Instrument Preference
   1) Two Main Effects: Mode and Motivation - General Pattern

3. Why Guitars and Gayageums?
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