# Hypotheses

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| **Vibration Condition** | **Constant Error** | **Variable Error** |
| Antagonist (Biceps) | Undershooting | No change |
| Agonist (Triceps) | No change | No change |
| Dual (Biceps + Triceps) | No change | Increase |

* Based on previous work we know antagonist (biceps) vibration will cause an undershooting effect, as it is lengthening, with no change in variable error (Eschelmuller et al., 2023; Inglis & Frank, 1990).
* Agonist (triceps) should cause no illusion as the muscle is shortening (Inglis & Frank, 1990), again with no change in variable error.
* Dual vibration should cause no bias because the frequencies will be even (Gilhodes et al., 1986), however, it may induce noise in the proprioceptive system and therefore increase the variable error (Bock et al., 2007).