

## Analysis into Taxonomy:

From the Expert-Novice dataset:

### Rhythm:

- Drag (hesitation) because of unfamiliarity with the piece. (no gap, but note becomes longer and everything shifts afterwards)
  - CielitoLindo01, LavendersBlue02, LavendersBlue17, OvertheWaves03, OvertheWaves11, SheWoreaYellowRibbon06, SheWoreaYellowRibbon10, Entertainer04, Entertainer06
- Repeat: Player repeat the previous beat because of hesitation. Not a drag but repeat the previous note / accompaniment with a break.
  - LavendersBlue17, SheWoreaYellowRibbon04, SheWoreaYellowRibbon06
- Gap: No pitch error, but there is a beat or half of a beat of silence
  - CarelessLove04, LavendersBlue02, OvertheWaves08, OvertheWaves10, Entertainer08
- Even -> Syncopated: The supposed-to-be-even notes are played in a syncopated rhythm, some short, some long because of poor technique in fingers. Usually happens with scales
  - LavendersBlue14, OvertheWaves03, OvertheWaves08
  - \* Under a consistent circumstance, this might not be conspicuous.
- Misread: Notes are twice the duration or half the duration
  - Entertainer03, Entertainer06
  - \* Depending on how the score is, this might not be conspicuous.

Pitch:

- Melody: Added note 1 or 2 semitons away, because of unfamiliarity with the piece. The player quickly realizes the mistake and moves to the right pitch. Rhythm overall not affected too much.
  - CielitoLindo01, SheWoreaYellowRibbon08
- Melody: Wrong pitch, similar to the previous case but the player lands and sits on the wrong pitch and doesn't play the correct pitch. Rhythm not affected.
  - CielitoLindo05, Entertainer02
- Melody: Harmonic wrong pitch, 1 semitone away (usually because of similar scales)
  - CarelessLove10, OvertheWaves02, OvertheWaves03, OvertheWaves08, OvertheWaves11
- Melody: Mistouch (no rhythm mistake) of neighboring tones because of hand technique (not stretched enough, etc...)
  - CielitoLindo04, SheWoreaYellowRibbon08, TheBlues15
- Melody: Add note on right hand when left hand is playing. Should be a result of poor hand coordination. No effect on rhythm.
  - Entertainer01
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- Melody: Missing note, rhythm correct
  - LavendersBlue08, SheWoreaYellowRibbon11, Entertainer05
- Chords: Major / Minor mix
  - CielitoLindo02
- Chords: pitch error because of mistouch
  - CarelessLove07, OvertheWaves05
- Chords: Should change harmony, but still use the old chord
  - SheWoreaYellowRibbon13, TheBlues14