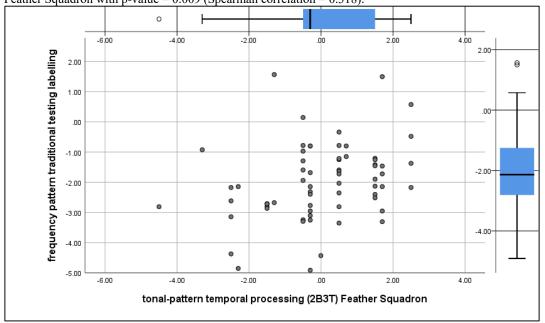
## **Supplemental File**

## **Figure 1 - 6:**

**Figure 1:** Scatterplot of frequency pattern traditional testing labelling vs tonal-pattern temporal processing (2B3T) Feather Squadron with p-value = 0.009 (Spearman correlation = 0.318).



**Figure 2**: Scatterplot of dichotic digits traditional testing right ear vs dichotic double-words Feather Squadron right ear with p-value = 0.019 (Spearman correlation = 0.289)

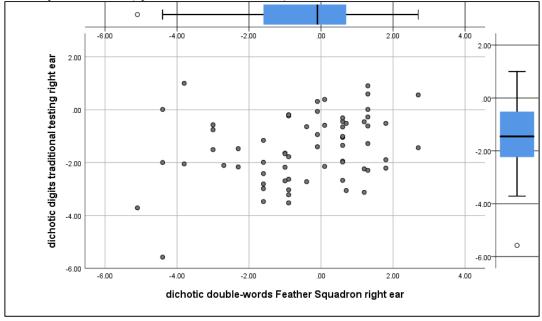


Figure 3: Scatterplot of dichotic digits traditional testing left ear vs dichotic double-words Feather Squadron left ear

with p-value = 0.031 (Spearman correlation = 0.266)

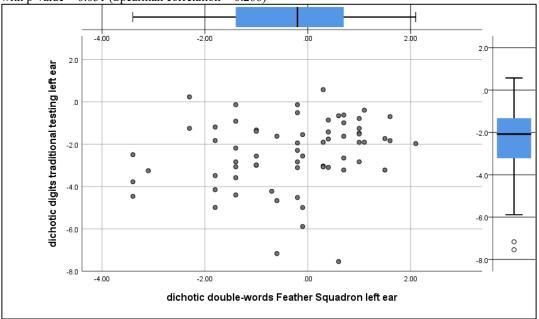


Figure 4: Scatterplot of dichotic digits traditional testing weaker ear vs dichotic double-words Feather Squadron weaker ear with p-value = 0.008 (Spearman correlation = 0.323)

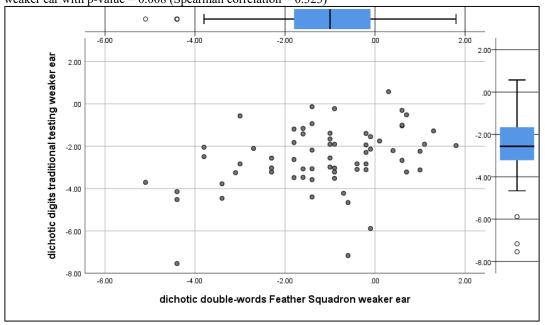
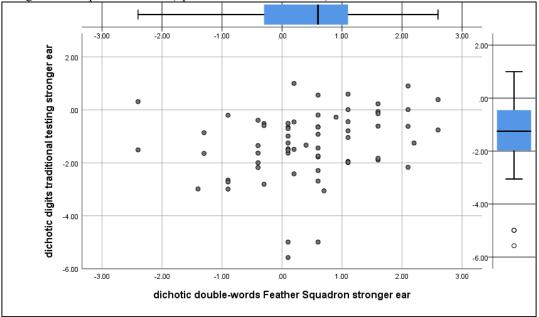


Figure 5: Scatterplot of dichotic digits traditional testing stronger ear vs dichotic double-words Feather Squadron

stronger ear with p-value = 0.016 (Spearman correlation = 0.295)



**Figure 6**: Scatterplot of dichotic digits traditional testing right ear vs dichotic double sounds Feather Squadron right ear with p-value = 0.025 (Spearman correlation = 0.277)

