

Errata of the PhD Thesis 'The Effects of Gaze Control and Body Segment Recoupling on Human Gait and Foot Pressure Variability: A Modern and Evolutionary Perspective' by Emma Louise Webster

List of Abbreviations

- Add: MSE = Mean Square Error.

Chapter 1

- Page 15. Written: 'The nature of the task and environment... these differences.'
Change to: 'The nature of the task and environment, and prior experience **may** go some way to explaining these differences.'
- Page 18. Written: 'The loss of mechanical separation of the head, trunk, and pelvis due to the motor deficits describe...'
Change to: 'The loss of mechanical separation of the head, trunk, and pelvis due to the motor deficits **described**....'

Chapter 3

- Page 44. Written: 'An LCD.....so as to block and peripheral visual information and distractions.'
Change to: 'An LCD projector (NEC NP2250) was used to project visual targets on to a curved projection screen (Beamax A-Velvet, 282 x 166cm) positioned 2m directly in front of the treadmill so as to block **any** peripheral visual information and distractions'
- Page 49. Written: 'A subject was chosen at random to undergo this testing (subject 9)...trials 5 times.'
Change to: 'A subject was chosen at random to undergo this testing (subject 9), and after initial collection of the first data set, the subject repeated each of the trials 4 time providing 5 data sets in total.'
- Page 49. Omission: Chapter 3.2.5 should state that a ViewPoint BSU07 USB-60x3, Arrington Research (Scottsdale, AZ, USA) sampling at 100Hz was used during repeatability testing.
- Page 50. Written: 'Results demonstrated significant overall between-subject variability in foot pressure mean square error.....and indeed these were found to be insignificant ($F(1, 9) = 2.72, p = 0.13$) (Figure 3.4).'
- Change to: 'Results demonstrated significant overall between-subject variability in foot pressure mean square error (**$F(1, 9) = 20.668, p = 0.01$**), indicating that foot pressure variability was highly variable across subjects. Within-subject results demonstrated only minor within-subject differences in variance in foot pressure mean square error between the visual tracking types (gaze fixation = **6.427 ± 1.424** and smooth pursuit = **6.873 ± 1.424**), and indeed these were found to be insignificant (**$F(1, 9) = 1.399, p = 0.267$**) (Figure 3.4).'
- Page 50. Replace Figure 3.4 with the following (note the change to the legend) :

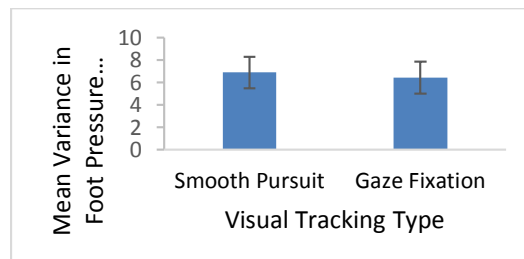


Figure 3.4: Comparison of variance in foot pressure mean square error (MSE) during object tracking using gaze fixation and smooth pursuit. **Error bars represent standard error.**

- Page 51: Written: 'However, larger within-subject differences in variance in foot pressure mean square error were seen during tracking against the blank, savannah, and forest visual scenes The effect of the interaction of visual tracking type and visual clutter level on variance in foot pressure mean square error was insignificant ($F(2, 18) = 2.28, p = 0.57$).'
Change to: 'However, larger within-subject differences in variance in foot pressure mean square error were seen during tracking against the blank, savannah, and forest visual scenes (**$8.257 \pm 1.834, 5.537 \pm 1.15$, and 6.156 ± 1.373** respectively), and the effect of visual clutter was found to be significant (**$F(2, 18) = 6.696, p = 0.007$**). Post-hoc pairwise comparisons following Bonferroni correction determined that the variance in foot pressure mean square error during tracking against the blank visual scene was significantly higher than when tracking against the **savannah scene** (**$p = 0.04$**) (Figure 3.5). The effect of the interaction of visual tracking type and visual clutter level on variance in foot pressure mean square error was insignificant (**$F(2, 18) = 0.008, p = 0.992$**).'
- Page 51: Replace Figure 3.5 with the following (note the change to the legend):

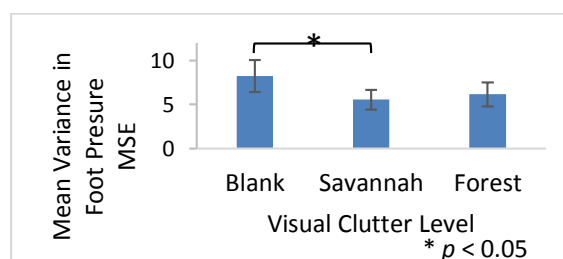
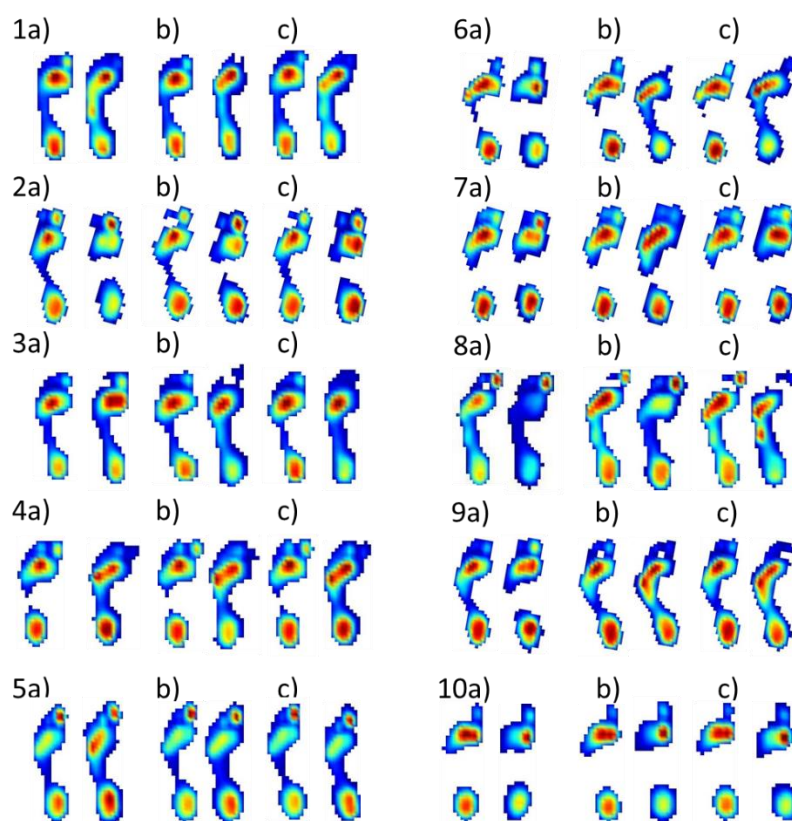


Figure 3.5: Comparison of variance in foot pressure mean square error (MSE) during object tracking across three levels of background visual clutter. **Error bars represent standard error.**

- Page 52: written: 'Figure 3.6 indicates that.....to a combination of both (subjects 2 and 5-9).'
- Change to: 'Figure 3.6 indicates that under-heel pressure remains relatively constant, and that differences expressed in the most variable prints are under the forefoot. These differences in underfoot pressure range through a more diffuse pressure across the lateral forefoot and midfoot (seen e.g. in subjects **1, 4 and 5**), and a shift in pressure under the medial forefoot and hallux (seen e.g. in subjects **2 and 10**) to a combination of both (subjects **3 and 6-9**).
- Page 52: Replace Figure 3.6 with the following:



- Page 53. Written: 'Variance in foot pressure mean square error (MSE) in each case demonstrated relative consistencywhen compared to the other repeats (Table 3.1).'
- Change to: 'Variance in foot pressure mean square error (MSE) in each case demonstrated relative consistency across repeats (Table 3.1).'
- Page 53: Replace Table 3.1 with the following:

| Repeat | 1 | 2 | 3 | 4 | 5 |
|-------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| B/GF | 19.47394 | 21.97918 | 21.92414 | 23.84301 | 19.72382 |
| B/SP | 15.07023 | 20.73113 | 22.87573 | 27.20952 | 11.48068 |
| S/GF | 10.81778 | 10.69958 | 11.23857 | 11.82346 | 9.955754 |
| S/SP | 10.72015 | 13.55584 | 13.07742 | 13.97671 | 9.901418 |
| F/GF | 12.39112 | 9.950841 | 9.334256 | 9.705318 | 15.01556 |
| F/SP | 15.03151 | 13.3604 | 10.61109 | 14.81343 | 6.355502 |
| Mean | 13.91745 | 15.04616 | 14.84354 | 16.89524 | 12.07212 |
| SD | 3.334815 | 5.10497 | 5.983843 | 6.998936 | 4.678307 |

- Page 53: Written: 'A repeated measures ANOVA demonstrated.... No other significant within-combination-differences were recorded (Figure 3.7).'
- Change to: 'A repeated measures ANOVA demonstrated no significant within-combination differences in variance in mean foot pressure MSE across the repeats (**F (4, 20) = 1.993, p = 0.190**). (Figure 3.7). '

- Page 54: Replace Figure 3.7 with the following (note the change to the legend):

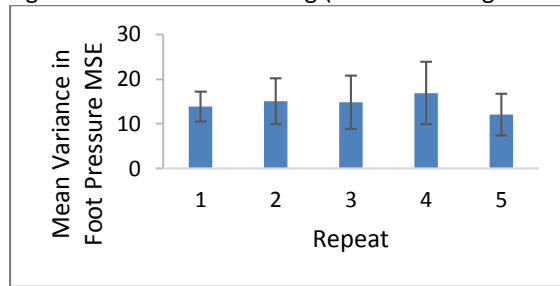
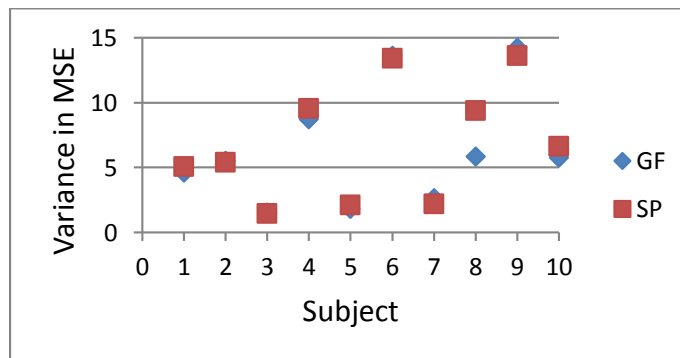


Figure 3.7: Comparison of variance in foot pressure mean square error (MSE) between repeats. **Error bars represent standard error.**

- Page 54: Written: 'Because of the fact that no other significant differences were observed... even with the considerable time gaps between repeats.'
Remove sentences
- Page 55: Replace Figure 3.8 with the following:



Chapter 4

- Page 65: Written 'Pupil movement data was synchronously captured.....sampling at 60Hz.'
Change to: 'Pupil movement data was synchronously captured.....sampling at **100Hz**.'
- Page 70: Written 'Comparisons of within-subject variance in foot pressure mean square...demonstrated an insignificant effect of visual clutter level ($F(2, 14) = 0.78, p = 0.48$) (Figure 4.4).'
- Change to: 'Comparisons of within-subject variance in foot pressure mean square error with respect to the blank, savannah, and forest visual scenes (18.305 ± 5.406 , 15.763 ± 4.033 , and 14.040 ± 4.527 respectively) demonstrated an insignificant effect of visual clutter level ($F(2, 14) = 2.395, p = 0.137$) (Figure 4.4).'
- Page 70 replace Figure 4.4 with the following (note that the legend has also been corrected):

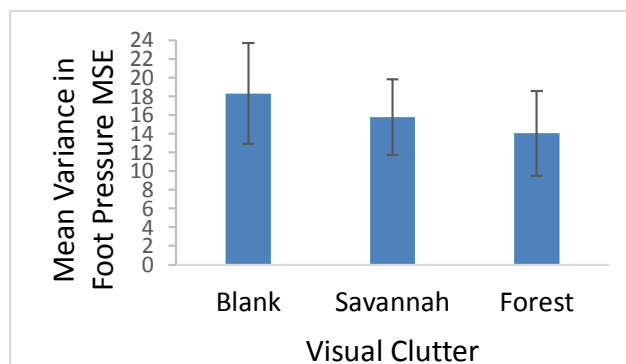


Figure 4.4: The effect of three different clutter levels on variance in foot pressure mean square error (MSE) during a dual visual-auditory task. **Error bars represent standard error.**

- Page 71: Written 'However, the effect of auditory task did have a significant impact.....when compared to the background music task (12.62 ± 3.92) ($F(1, 7) = 17.66, p = 0.004$) (Figure 4.5).'
- Change to: 'However, the effect of auditory task did have a significant impact on variance in foot pressure mean square error, with larger variability in foot pressure mean square error observed when undertaking the repeat-back language

task (19.500 ± 5.176) when compared to the background music task (12.572 ± 3.251) ($F = (1, 7) = 26.844, p = 0.001$) (Figure 4.5).’

- Page 71: replace Figure 4.5 with the following (note that the legend has also been corrected):

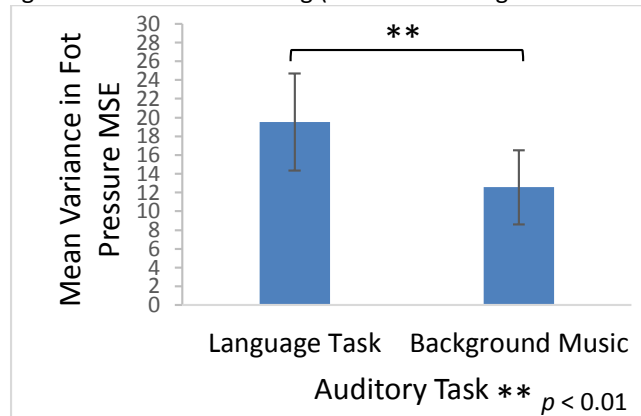


Figure 4.5: The effect of two auditory tasks on variance in foot pressure mean square error (MSE) during a dual visual-auditory task. **Error bars represent standard error.**

- Page 71: Add: ‘Results also showed a lack of any significant difference in foot pressure variability amongst activity type ($F (2,7) = 0.380, p = 0.697$), indicating that there was no added benefit of professional training in hand-eye sports (18.331 ± 7.533) when compared to cardiovascular sports (17.971 ± 10.653) and non-professionals (11.806 ± 4.027).’ after Figure 4.5.
- Page 71: Written: ‘These changes in underfoot pressure range through a more diffuse pressure.....under the medial forefoot and hallux (seen e.g. subjects 5 and 8).’
Change to: ‘These changes in underfoot pressure range through a more diffuse pressure across the lateral forefoot and midfoot (seen e.g. in subjects 1, **3, 4, 7, and 10**), a shift in pressure under the medial forefoot and hallux (seen e.g. subjects **5 and 8**), **to a combination of both (seen e.g. in subjects 2, 6 and 9)**.’
- Page 72: replace Figure 4.6 with the following (note that the legend has also been corrected):

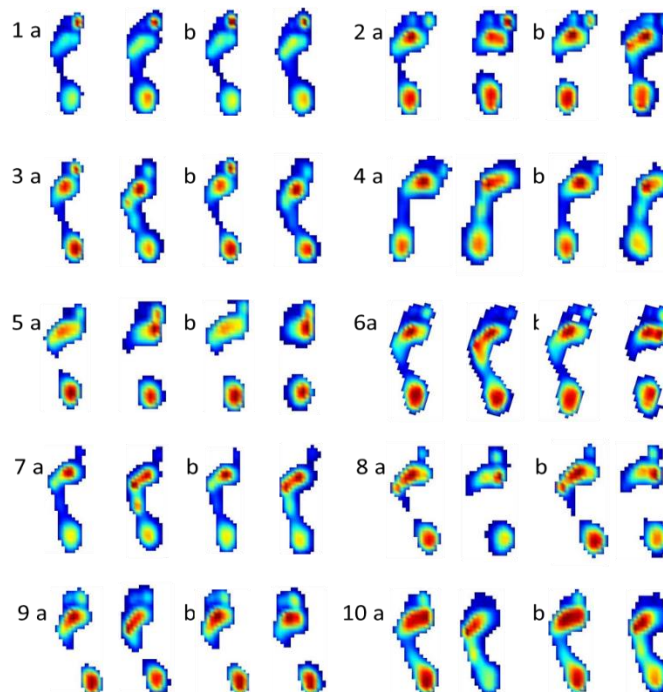


Figure 4.6: Example foot pressure records for each of the 10 subjects (1-10) during smooth pursuit tracking against the savannah scene when **completing the language task (a)** or **listening to background music (b)**. The prints represented in each set are the mean (left) and the record with highest mean square error (MSE) (right).

Chapter 5

- Page 86, Table 5.1:
 - Add Frontal and Sagittal to Head planes of analysis (Central Trajectory=Sternum, Distal Trajectory=Forehead).
 - For ‘Shoulders’ change marker number for left acromion process to **3**
 - Add Sagittal plane to Left Arm, Left Leg, Right Arm and Right Leg planes of analysis.

- Page 87: Written: 'If data collection was interrupted, for example if a reflective marker became detached from the subject, or the subject's position on the treadmill drifted, the data were rejected and recording was repeated.'
Remove sentence
- Page 88: After 'This produced ten sub-samples, per condition, per subject.' Add 'In some instances subjects made non-walking related movements, for example moving the arms to the face. In these cases the kinematic data for the corresponding 30 second interval for that subject were discounted from analysis.'
- Page 89, Legend for Figure 5.5: Written: 'G represents head yaw(1), pitch(2), and roll(3) of which head movement was analysed with respect to the right shoulder....See Table 6.1 for exact anatomical landmarks.'
Change to: 'G represents head yaw(1), pitch(2), and roll(3) of which head movement was analysed with respect to the **sternum and** right shoulder.....See Table **5.1** for exact anatomical landmarks.'
- Page 90: Written: 'A repeated measures ANOVA determined that....non-braced condition (8.63 ± 1.76 and 6.46 ± 1.53 respectively). (Figure 5.6)'
- Change to: 'A repeated measures ANOVA determined that variance in foot pressure mean square error was significantly larger (**$F(1, 9) = 6.750, p = 0.029$**) during walking in the braced condition when compared to the unrestricted non-braced condition (**8.568 ± 1.886 and 7.009 ± 1.584** respectively). (Figure 5.6).'
- Page 91: Replace Figure 5.6 with the following (Note change to legend):

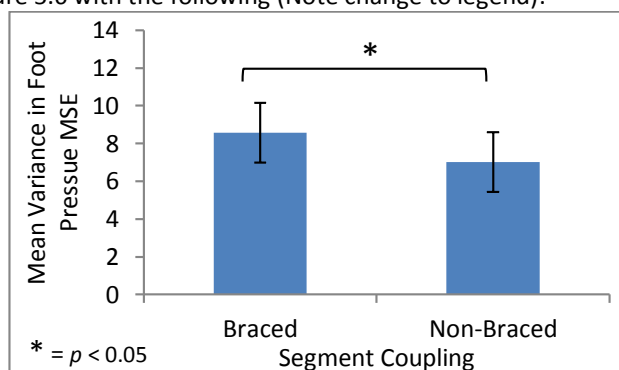


Figure 5.6: Comparison of variance in foot pressure MSE between Braced and Non-Braced conditions. **Error bars represent standard error.**

- Page 91: Written: 'These changes in underfoot pressure....to a combination of both (subjects 3, 5, and 10).'
- Change to: 'These changes in underfoot pressure range through a more diffuse pressure across the lateral forefoot and midfoot (seen e.g. in subjects **2, 6 and 8**), a shift in pressure under the medial forefoot and hallux (seen e.g. in subjects **4 and 5**), to a combination of both (subjects **1, 3, 7 and 10**).'
- Page 92: Replace Figure 5.7 with the following (note that the legend has also been corrected):

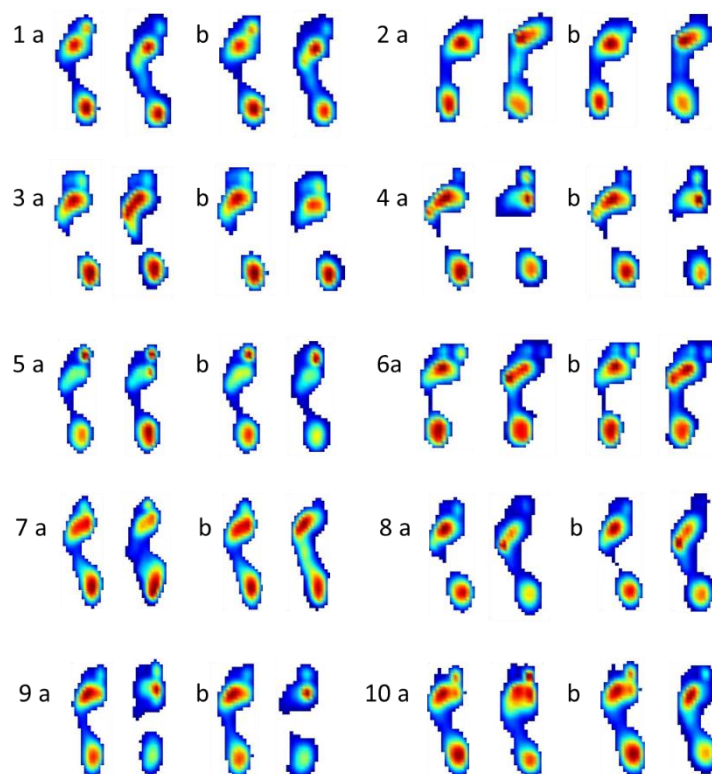


Figure 5.7: Visual comparison of foot pressure records for all subjects (1-10) in **Braced** (a) and **Non-Braced** (b) conditions. In each case the mean foot pressure record (left) is compared with the most varied foot pressure record (right)

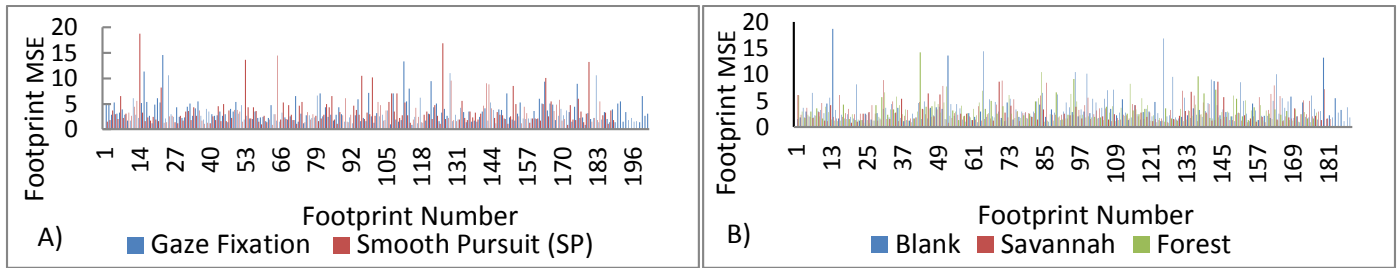
- Page 92: Written: ‘The maximum range of head pitch (°) was significantly lower ($F(1, 8) = 6.51, p = 0.03$) in the braced ...when compared to the non-braced control (12.91 ± 0.92).’
Change to: ‘The maximum range of head pitch (°) was significantly lower ($F(1, 8) = 5.973, p = 0.04$) in the braced condition when compared to the non-braced condition (**10.257 ± 0.843 and 14.136 ± 2.248** respectively). The maximum range of shoulder rotation (°) was also significantly reduced ($F(1, 7) = 7.27, p = 0.031$) in the braced condition (**10.784 ± 0.965**) when compared to the non-braced control (**12.397 ± 0.915**).’
- Page 93: Written: ‘In this case, the maximum range of right thigh swing (°) was significantly increased...The effect of the interaction between bracing and gender on right thigh swing was, however, insignificant ($F(1, 8) = 2.15, p = 0.18$).’
Change to: ‘In this case, the maximum range of right thigh swing (°) was significantly increased ($F(1, 8) = 5.795, p = 0.043$) in the braced condition (**26.574 ± 0.473**) relative to the non-braced condition (**25.957 ± 0.491**). There was also a significant effect of gender ($F(1, 8) = 8.216, p = 0.021$), with females demonstrating a larger range of right thigh swing than ma (**27.598 ± 0.658 and 24.932 ± 0.658** respectively). The effect of the interaction between bracing and gender on right thigh swing was, however, insignificant ($F(1, 8) = 2.511, p = 0.152$).’
- Page 94: Replace Table 5.2 with the following:

| Body Segment | Mean (°) Non-Braced | Std. Error (°) Non-Braced | Mean (°) Braced | Std. Error (°) Non-Braced | Mean (°) Female | Std. Error (°) Female | Mean (°) Male | Std. Error (°) Male | Repeated Measures ANOVA | | | | | |
|------------------------|------------------------|------------------------------|--------------------|------------------------------|--------------------|--------------------------|------------------|------------------------|-------------------------|-------|--------|-------|------------------|-------|
| | | | | | | | | | Brace | | Gender | | Gender* Brace | |
| | | | | | | | | | F | P | F | P | F | P |
| Head Pitch | 14.136 | 2.248 | 10.257 | 0.843 | 14.275 | 2.123 | 10.117 | 2.123 | 5.973 | 0.040 | 1.919 | 0.203 | 0.233 | 0.642 |
| Head Roll | 9.100 | 1.966 | 7.456 | 1.023 | 9.515 | 3.086 | 7.041 | 2.086 | 2.397 | 0.160 | 0.703 | 0.426 | 1.203 | 0.305 |
| Head Yaw | 18.352 | 2.120 | 16.458 | 1.247 | 17.548 | 2.358 | 17.262 | 2.358 | 3.652 | 0.92 | 0.07 | 0.934 | 2.503 | 0.152 |
| Shoulder Rotation | 12.397 | 0.915 | 10.784 | 0.965 | 11.952 | 1.189 | 11.229 | 1.329 | 7.270 | 0.031 | 0.164 | 0.697 | 1.879 | 0.213 |
| Left Arm Abduction | 11.376 | 1.470 | 12.021 | 2.141 | 15.053 | 2.357 | 8.344 | 2.635 | 0.419 | 0.538 | 3.601 | 0.100 | 2.226 | 0.179 |
| Left Arm Swing | 31.991 | 2.921 | 33.025 | 2.698 | 36.585 | 3.657 | 28.430 | 4.089 | 0.701 | 0.430 | 2.210 | 0.181 | 0.466 | 0.517 |
| Left Bottom Arm Swing | 55.435 | 3.828 | 54.863 | 3.340 | 61.206 | 4.897 | 49.092 | 4.897 | 0.090 | 0.772 | 3.064 | 0.118 | 0.002 | 0.967 |
| Left Top Arm Swing | 24.560 | 2.272 | 24.363 | 2.047 | 25.922 | 2.838 | 23.002 | 3.173 | 0.067 | 0.804 | 0.470 | 0.515 | 0.107 | 0.753 |
| Right Arm Abduction | 10.227 | 1.240 | 12.778 | 2.104 | 14.625 | 2.310 | 8.380 | 2.310 | 5.188 | 0.052 | 3.655 | 0.092 | 1817 | 0.215 |
| Right Arm Swing | 26.630 | 2.349 | 28.184 | 2.310 | 27.316 | 3.216 | 27.498 | 3.216 | 2.361 | 0.163 | 0.002 | 0.969 | 3.476 | 0.099 |
| Right Bottom Arm Swing | 47.451 | 3.591 | 48.932 | 3.526 | 49.886 | 4.874 | 46.497 | 4.874 | 0.701 | 0.427 | 0.242 | 0.636 | 1.942 | 0.201 |
| Right Top Arm Swing | 21.006 | 1.500 | 21.641 | 2.228 | 23.769 | 2.575 | 18.699 | 2.575 | 0.179 | 0.683 | 1.938 | 0.201 | 2.436 | 0.153 |
| Pelvis Rotation | 10.819 | 0.693 | 9.859 | 1.143 | 11.924 | 1.070 | 8.753 | 1.197 | 0.926 | 0.368 | 3.903 | 0.089 | 0.901 | 0.772 |
| Left Leg Abduction | 6.832 | 0.269 | 6.722 | 0.396 | 6.878 | 0.435 | 6.676 | 0.486 | 0.361 | 0.567 | 0.096 | 0.766 | 0.247 | 0.634 |
| Left Leg Swing | 28.368 | 1.031 | 28.463 | 1.068 | 28.279 | 1.390 | 28.552 | 1.554 | 0.156 | 0.705 | 0.152 | 0.708 | 0.017 | 0.899 |
| Left Thigh Swing | 25.789 | 1.060 | 26.095 | 0.982 | 27.445 | 1.351 | 24.439 | 1.511 | 1.415 | 0.273 | 2.199 | 0.182 | 2.064 | 0.134 |
| Left Shin Swing | 55.409 | 1.576 | 55.147 | 1.527 | 55.898 | 2.191 | 54.658 | 2.191 | 2.786 | 0.134 | 0.160 | 0.700 | 2.737 | 0.137 |
| Right Leg Abduction | 7.134 | 0.501 | 7.205 | 0.613 | 6.451 | 0.780 | 7.889 | 0.780 | 0.145 | 0.713 | 1.637 | 0.229 | 2.423 | 0.158 |
| Right Leg Swing | 28.754 | 0.687 | 28.516 | 0.696 | 28.030 | 0.972 | 29.241 | 0.972 | 2.555 | 0.149 | 0.776 | 0.404 | 0.585 | 0.466 |
| Right Thigh Swing | 25.957 | 0.491 | 26.574 | 0.473 | 27.598 | 0.658 | 24.932 | 0.658 | 5.795 | 0.043 | 8.216 | 0.021 | 2.511 | 0.152 |
| Right Shin Swing | 56.811 | 1.074 | 56.382 | 1.209 | 58.279 | 1.604 | 54.914 | 1.604 | 2.190 | 0.177 | 2.200 | 0.176 | 0.025 | 0.877 |

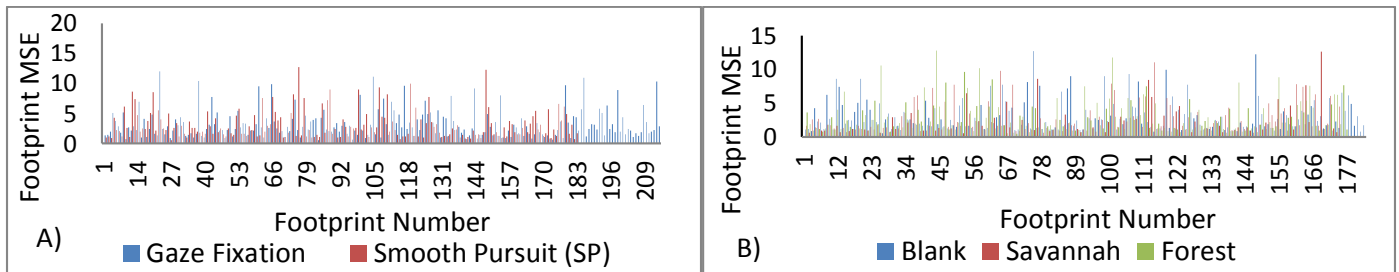
- Page 98: Written: ‘As studies suggest that the left leg.....appearing to be well compensated for.’
Change to: ‘As studies suggest that the left leg is usually dominant for postural stabilisation.... **with the effects of** bracing appearing to be well compensated for.’

Appendices 2 and 3:

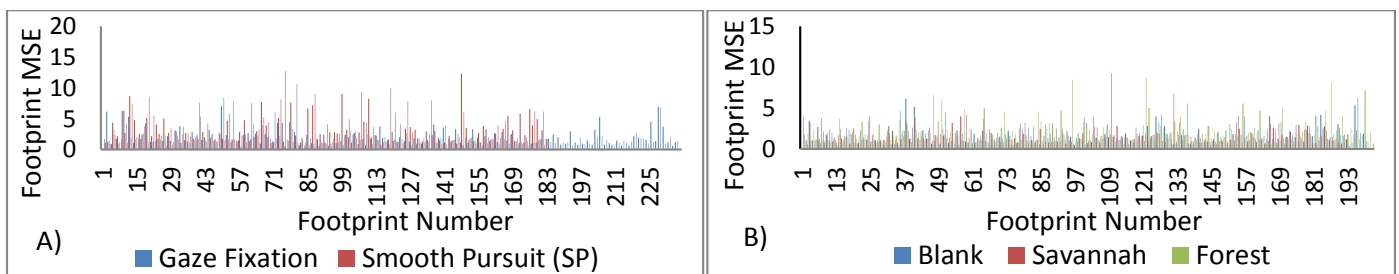
- Replace the following appendices:



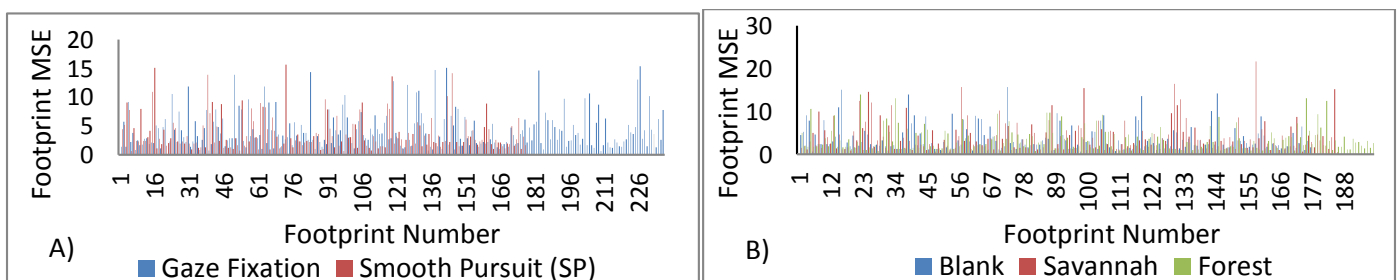
Appendix A2.11: Diagrammatic comparison of the range of foot pressure MSE during (A) Gaze fixation vs Smooth Pursuit on the blank background, and (B) Smooth Pursuit across the three backgrounds for subject 1.



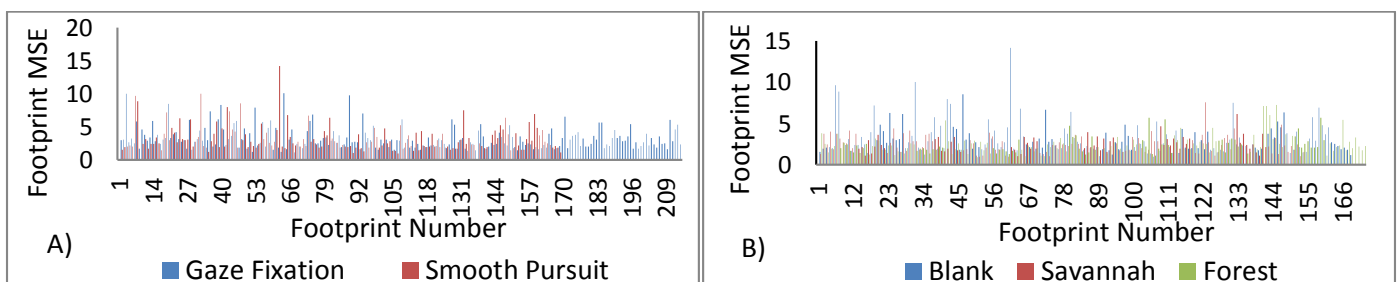
Appendix A2.12: Diagrammatic comparison of the range of foot pressure MSE during (A) Gaze fixation vs Smooth Pursuit on the blank background, and (B) Smooth Pursuit across the three backgrounds for subject 2.



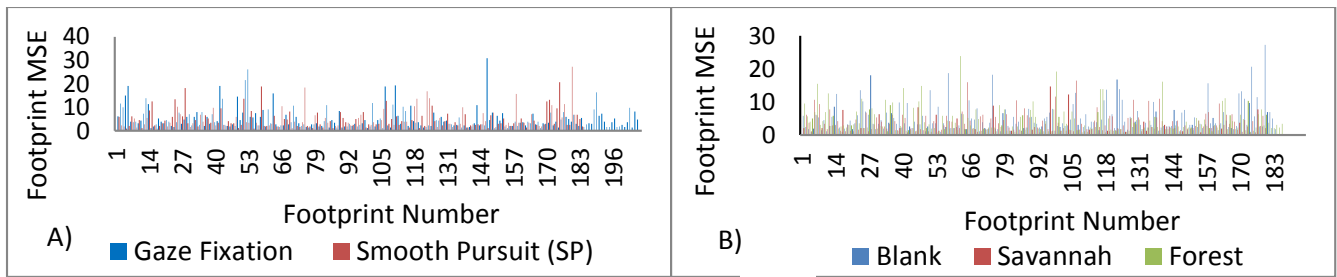
Appendix A2.13: Diagrammatic comparison of the range of foot pressure MSE during (A) Gaze fixation vs Smooth Pursuit on the blank background, and (B) Smooth Pursuit across the three backgrounds for subject 3.



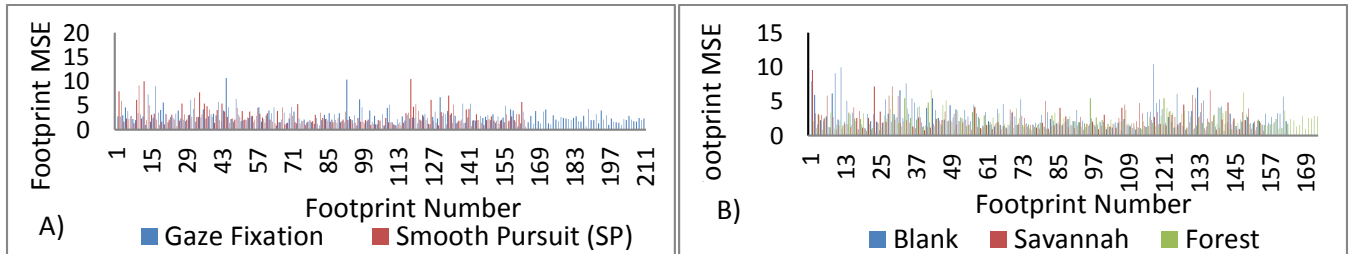
Appendix A2.14: Diagrammatic comparison of the range of foot pressure MSE during (A) Gaze fixation vs Smooth Pursuit on the blank background, and (B) Smooth Pursuit across the three backgrounds for subject 4.



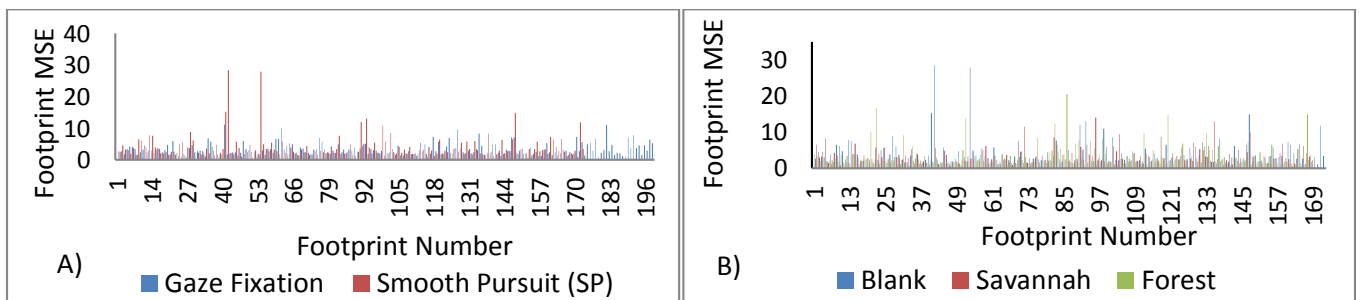
Appendix A2.15: Diagrammatic comparison of the range of foot pressure MSE during (A) Gaze fixation vs Smooth Pursuit on the blank background, and (B) Smooth Pursuit across the three backgrounds for subject 5.



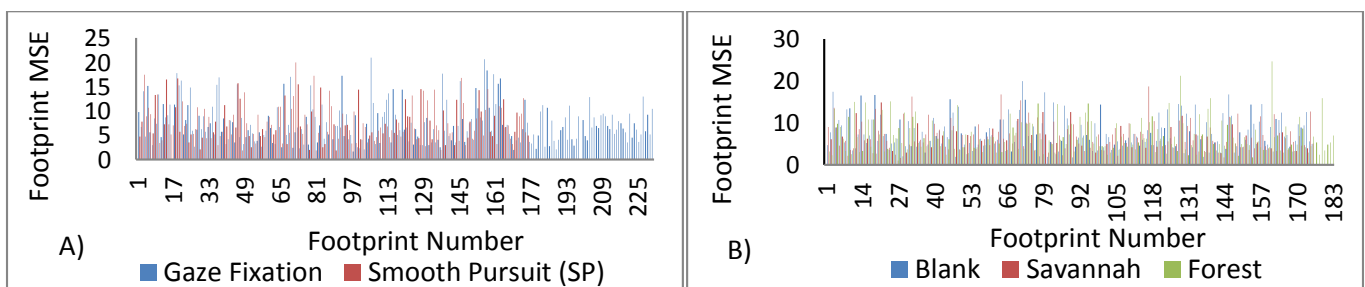
Appendix A2.16: Diagrammatic comparison of the range of foot pressure MSE during (A) Gaze fixation vs Smooth Pursuit on the blank background, and (B) Smooth Pursuit across the three backgrounds for subject 6.



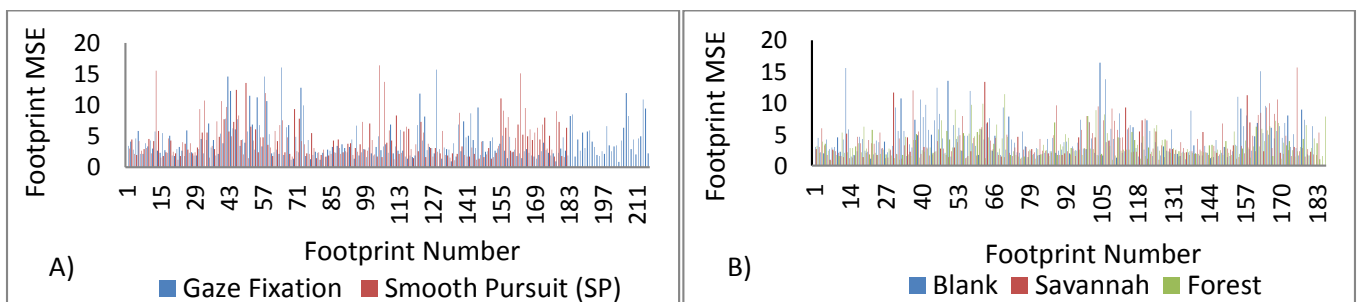
Appendix A2.17: Diagrammatic comparison of the range of foot pressure MSE during (A) Gaze fixation vs Smooth Pursuit on the blank background, and (B) Smooth Pursuit across the three backgrounds for subject 7.



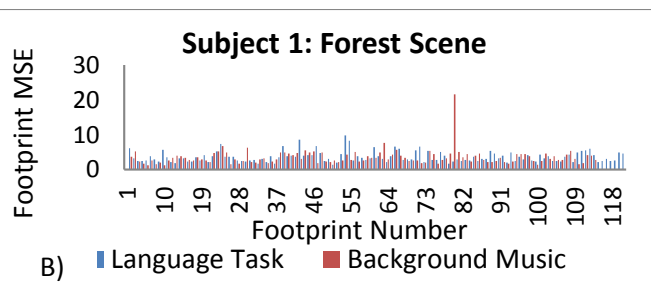
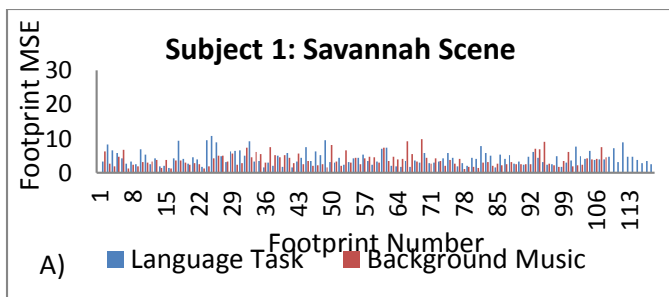
Appendix A2.18: Diagrammatic comparison of the range of foot pressure MSE during (A) Gaze fixation vs Smooth Pursuit on the blank background, and (B) Smooth Pursuit across the three backgrounds for subject 8.



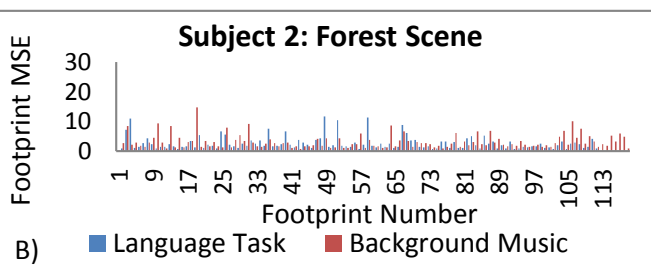
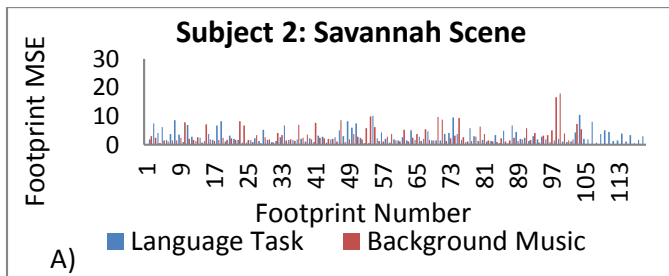
Appendix A2.19: Diagrammatic comparison of the range of foot pressure MSE during (A) Gaze fixation vs Smooth Pursuit on the blank background, and (B) Smooth Pursuit across the three backgrounds for subject 9.



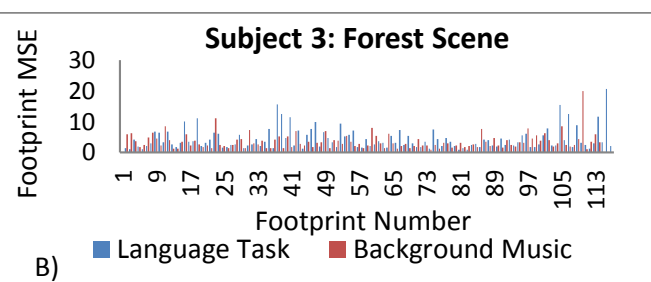
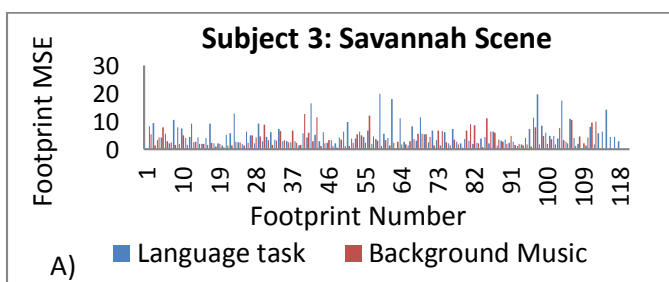
Appendix A2.20: Diagrammatic comparison of the range of foot pressure MSE during (A) Gaze fixation vs Smooth Pursuit on the blank background, and (B) Smooth Pursuit across the three backgrounds for subject 10.



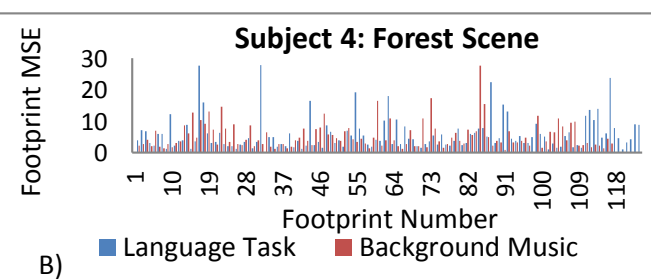
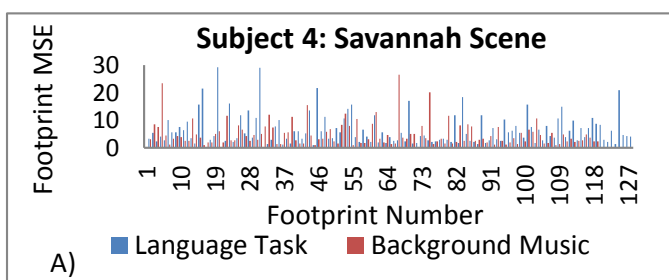
Appendix A3.11: Diagrammatic comparisons of MSE values for individual foot pressure records during each dual task condition for subject 1. A) dual tasking in the presence of the savannah scene. B) dual tasking in the presence of the forest scene.



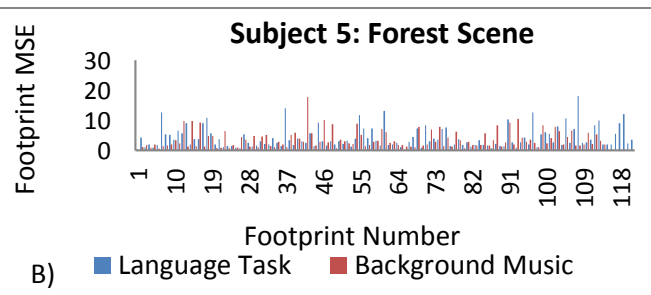
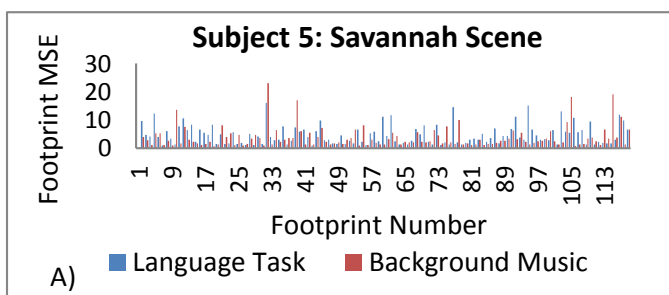
Appendix A3.11: Diagrammatic comparisons of MSE values for individual foot pressure records during each dual task condition for subject 2. A) dual tasking in the presence of the savannah scene. B) dual tasking in the presence of the forest scene.



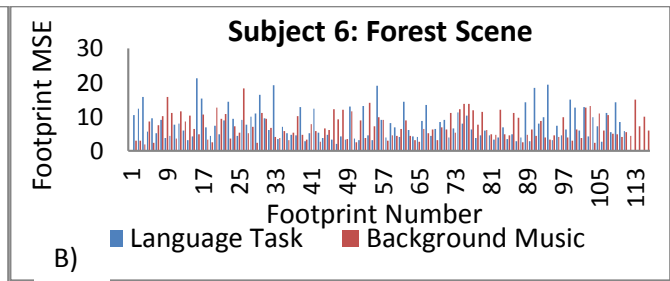
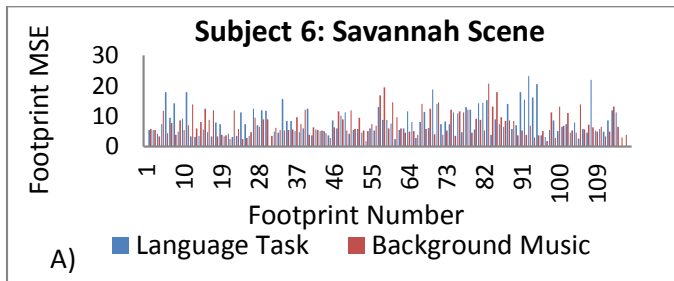
Appendix A3.12: Diagrammatic comparisons of MSE values for individual foot pressure records during each dual task condition for subject 3. A) dual tasking in the presence of the savannah scene. B) dual tasking in the presence of the forest scene.



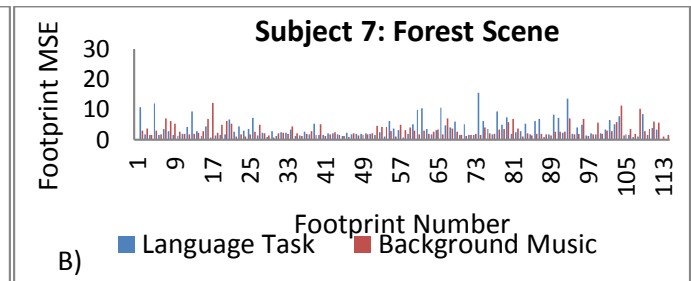
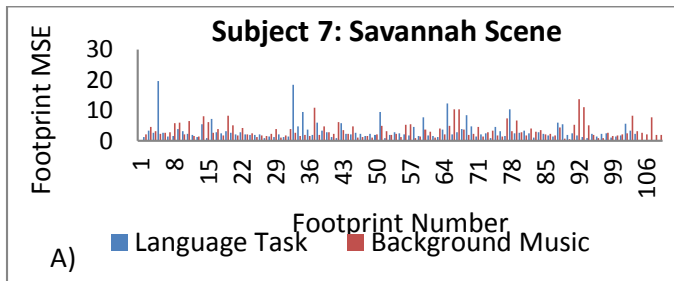
Appendix A3.14: Diagrammatic comparisons of MSE values for individual foot pressure records during each dual task condition for subject 4. A) dual tasking in the presence of the savannah scene. B) dual tasking in the presence of the forest scene.



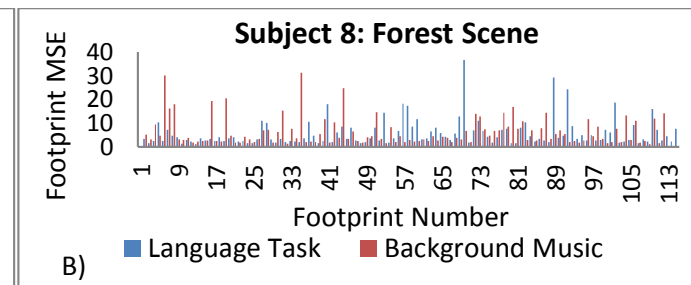
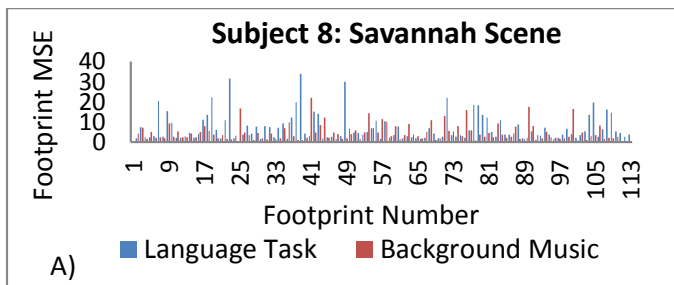
Appendix A3.15: Diagrammatic comparisons of MSE values for individual foot pressure records during each dual task condition for subject 5. A) dual tasking in the presence of the savannah scene. B) dual tasking in the presence of the forest scene.



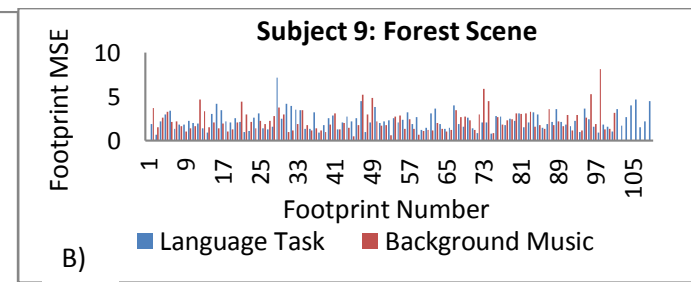
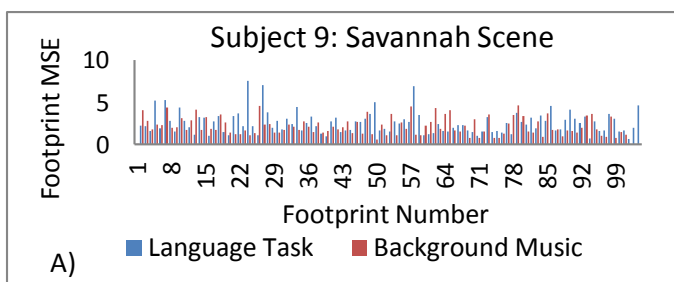
Appendix A3.16: Diagrammatic comparisons of MSE values for individual foot pressure records during each dual task condition for subject 6. A) dual tasking in the presence of the savannah scene. B) dual tasking in the presence of the forest scene.



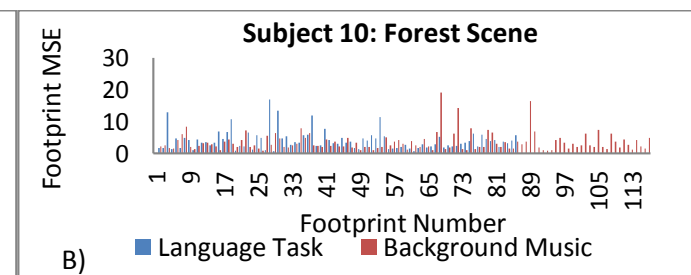
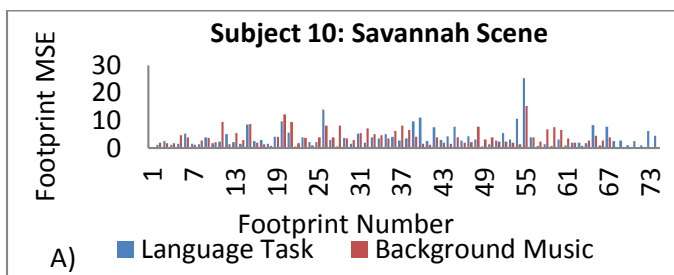
Appendix A3.17: Diagrammatic comparisons of MSE values for individual foot pressure records during each dual task condition for subject 7. A) dual tasking in the presence of the savannah scene. B) dual tasking in the presence of the forest scene.



Appendix A3.18: Diagrammatic comparisons of MSE values for individual foot pressure records during each dual task condition for subject 8. A) dual tasking in the presence of the savannah scene. B) dual tasking in the presence of the forest scene.



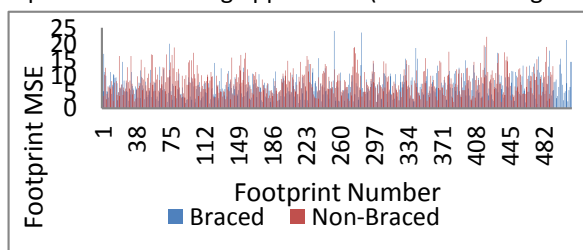
Appendix A3.19: Diagrammatic comparisons of MSE values for individual foot pressure records during each dual task condition for subject 9. A) dual tasking in the presence of the savannah scene. B) dual tasking in the presence of the forest scene.



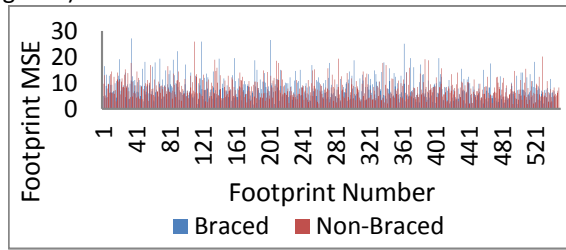
Appendix A3.20: Diagrammatic comparisons of MSE values for individual foot pressure records during each dual task condition for subject 10. A) dual tasking in the presence of the savannah scene. B) dual tasking in the presence of the forest scene.

Appendix 4:

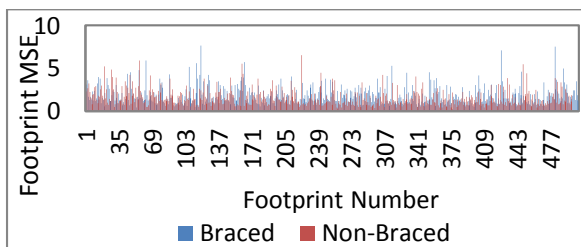
- Replace the following appendices (Note the change to legends):



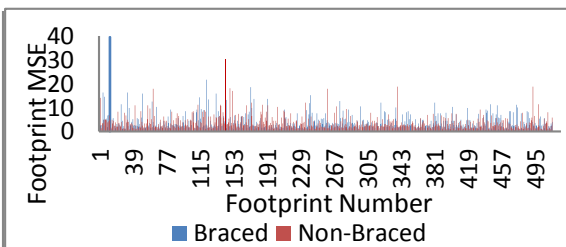
Appendix A4.1: Diagrammatic comparisons of MSE values for individual foot pressure records during each **bracing** condition for subject 1.



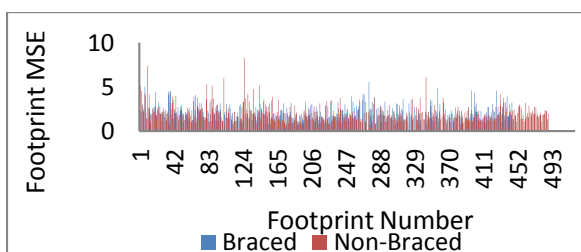
Appendix A4.2: Diagrammatic comparisons of MSE values for individual foot pressure records during each **bracing** condition for subject 2.



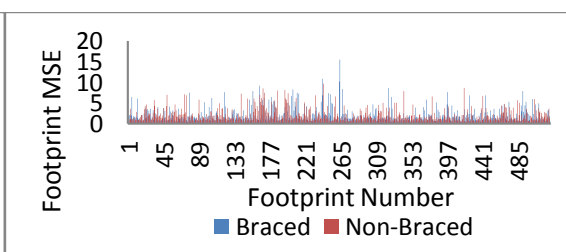
Appendix A4.3: Diagrammatic comparisons of MSE values for individual foot pressure records during each **bracing** condition for subject 3.



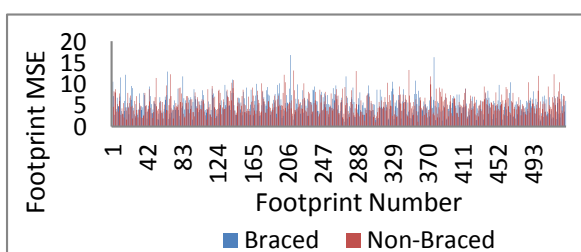
Appendix A4.4: Diagrammatic comparisons of MSE values for individual foot pressure records during each **bracing** condition for subject 3.



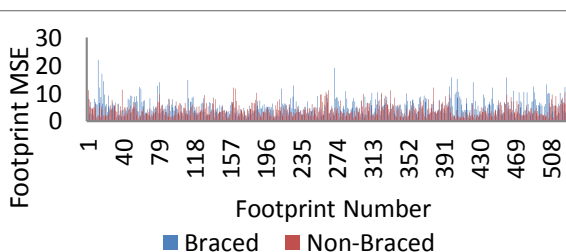
Appendix A4.5: Diagrammatic comparisons of MSE values for individual foot pressure records during each **bracing** condition for subject 5.



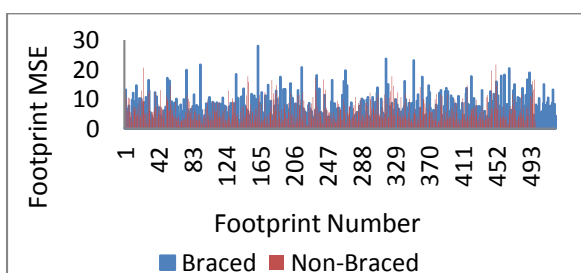
Appendix A4.6: Diagrammatic comparisons of MSE values for individual foot pressure records during each **bracing** condition for subject 6.



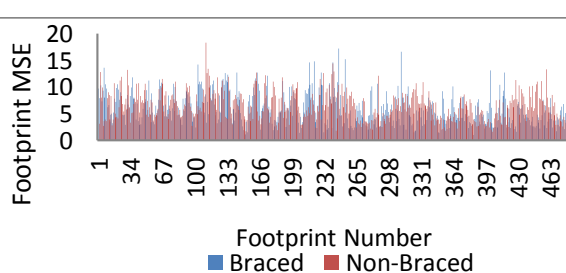
Appendix A4.7: Diagrammatic comparisons of MSE values for individual foot pressure records during each **bracing** condition for subject 7.



Appendix A4.8: Diagrammatic comparisons of MSE values for individual foot pressure records during each **bracing** condition for subject 8.



Appendix A4.9: Diagrammatic comparisons of MSE values for individual foot pressure records during each **bracing** condition for subject 9.



Appendix A4.10: Diagrammatic comparisons of MSE values for individual foot pressure records during each **bracing** condition for subject 10.