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| **Workbook – SS Trials** |  |
| SS Trials | Spinal shape trials |
| SSExtCon | Spinal shape extension consecutive trials |
| Tang length | Tangent length |
| SS [E/F/N] [1/2/3] ML [25/5/75/1] | [First/second/third] [extension/flexion/neutral] spinal shape trial MatLab data for [0.025/0.05/0.075/0.1] tangent length. (Essentially, MatLab file name). |
| sd | Standard deviation |
| CoV | Co-efficient of variation |
| SSExtNC | Spinal shape extension non-consecutive trials |
| SSFlexCon | Spinal shape flexion consecutive trials |
| SSFlexNC | Spinal shape flexion non-consecutive trials |
| SSNeuCon | Spinal shape neutral consecutive trials |
| SSNeuNC | Spinal shape neutral non-consecutive trials |
| L1 | Lumbar vertebrae 1 |
| L5  | Lumbar vertebrae 5 |
| Lthx | Lower thoracic |
| Lx | Lumbar |
| R2 | Root Square |
| T1 | Thoracic vertebrae 1 |
| T8 | Thoracic vertebrae 8 |
| Thx | Thoracic |
| UThx | Upper thoracic |
| angmakima | L1 angle using makima mathematical function |
| angpchip | L1 angle using angpchip mathematical function |
| angspl | L1 angle using splice mathematical function |
| angP1 | L1 angle using polynomial 1 mathematical function |
| angP2 | L1 angle using polynomial 2 mathematical function |
| angP3 | L1 angle using polynomial 3 mathematical function |
| angP4 | L1 angle using polynomial 4 mathematical function |
| angP5 | L1 angle using polynomial 5 mathematical function |
| angP6 | L1 angle using polynomial 6 mathematical function |
| angP7 | L1 angle using polynomial 7 mathematical function |
| angP8 | L1 angle using polynomial 8 mathematical function |

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| **Workbook – TS Trials** |  |
| TS Trials | Trunk shape trials |
| SSExtCon | Spinal shape extension consecutive trials |
| Tang length | Tangent length |
| TS [E/F/N] [1/2/3] ML [75/1/125/15] | [First/second/third] [extension/flexion/neutral] trunk shape trial MatLab data for [0.075/0.1/0.125/0.15] tangent length. (Essentially, MatLab file name). |
| sd | Standard deviation |
| TSExtNC | Trunk shape extension non-consecutive trials |
| TSFlexCon | Trunk shape flexion consecutive trials |
| TSFlexNC | Trunk shape flexion non-consecutive trials |
| TSNeuCon | Trunk shape neutral consecutive trials |
| TSNeuNC | Trunk shape neutral non-consecutive trials |
| R | Right |
| L | Left |
| T1 | Thoracic vertebrae 1 |
| T8 | Thoracic vertebrae 8 |
| L1 | Lumbar vertebrae 1 |
| L5  | Lumbar vertebrae 5 |
| R2 | Root Square |
| RMSE | Root mean square error |
| Hump2Hor | Horizontal hump angle |
| P22 | Polynomial 22 mathematical function |
| P33 | Polynomial 33 mathematical function |
| P44 | Polynomial 44 mathematical function |
| P55 | Polynomial 55 mathematical function |
| Lowess | Lowess mathematical function |
| surfGenX | Surface general |

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| **Workbook – Scoliosis Trials** |  |
| TSSC | Trunk shape scoliosis |
| Tang length | Tangent length |
| TS SC [1/2/3/4/5/6] ML [75/1/125/15] | [First/second/third/fourth/fifth] scoliosis trunk shape trial MatLab data for [0.075/0.1/0.125/0.15] tangent length. (Essentially, MatLab file name). |
| Tang length | Tangent length |
| sd | Standard deviation |
| R | Right |
| L | Left |
| T1 | Thoracic vertebrae 1 |
| T8 | Thoracic vertebrae 8 |
| L1 | Lumbar vertebrae 1 |
| L5  | Lumbar vertebrae 5 |
| R2 | Root Square |
| RMSE | Root mean square error |
| Hump2Hor | Horizontal hump angle |
| P22 | Polynomial 22 mathematical function |
| P33 | Polynomial 33 mathematical function |
| P44 | Polynomial 44 mathematical function |
| P55 | Polynomial 55 mathematical function |
| Lowess | Lowess mathematical function |
| surfGenX | Surface general |