README File

**PFT Tab:**

Subject Name: This is the nondescript numerical identifier used for the study

ID: This is the subject number utilized to de-identify data from subject names

Curve Condition: Expiratory curve in question

FVC = maximum effort expiratory curve

MaxPerim = maximum perimeter curve

AbsDiff = absolute difference between FVC and MaxPerim curves

PctDiff = percent difference between FVC and MaxPerim curves (% of MaxPerim curve)

Age: Subject age in years

Sex: M for Male subjects, and F for female subjects

BMI: Body Mass Index; this is the ratio of an individual’s weight in kilograms to their height in m2

FVC: Forced Vital Capacity; This is the amount of air exhaled from total lung capacity to residual volume

FEV1: Forced expired volume in 1 second; This is the amount of air exhaled during a forced expiration in 1 second

FEV1\_FVC: Forced expired volume in 1 second over forced vital capacity; this is a ratio of the amount of air someone can exhale in 1 second vs. their maximal exhalation

PEFR: Peak Expiratory Flow Rate; This is the highest flow an individual attains during a forced expiration

FEF25: Forced Expiratory Flow at 25%; This is the flow after 25% of the exhale is complete during a forced expiration

FEF50: Forced Expiratory Flow at 50%; This is the flow after 50% of the exhale is complete during a forced expiration

FEF75: Forced Expiratory Flow at 75%; This is the flow after 75% of the exhale is complete during a forced expiration

FEF25\_75: Forced Expiratory Flow from 25-75%; This is the peak flow from 25-75% of the exhale during a forced expiration

Aex: This is the area between the maximal perimeter curve and the forced vital capacity flow volume curve

**Mean Scores Tab:**

Subject Name: This is the nondescript numerical identifier used for the study

ID: This is the subject number utilized to de-identify data from subject names

PctVolumeCtr: This is the percentage of a forced expiration that an individual has yet to complete. For example 95% shows they have just begun their forced expiration and still have 95% until fully exhaled

FEFs\_uncorr: These are the flows that have not yet been corrected for the delay in the pressure transmission

FEFs\_corr: These are the flows that have been corrected for the delay in pressure transmission

FEFs\_MaxPerim: flows reached at given lung volumes along the maximal perimeter curve

AbsDiff\_FEFs: This is the difference in the flows reached during a forced expiration compared to those reached along the maximal perimeter curve, i.e., the difference between curves in the y-direction

AbsDiff\_VGC: Volume of gas compression in absolute units, i.e., the difference between curves in the x-direction

Partial Aex: This is the area between curves at a given lung volume, i.e., integrated x-y area between discrete lung volumes

Poes: This is the oesophageal pressure reached at a given lung volume

Plung: This is the pressure of the lungs at a given lung volume, it is estimated via oesophageal pressure and very low flows

Palv: This is alveolar pressure at a given lung volume, it is calculated by the addition of oesophageal pressure and Plung