## DATA PRE-PROCESSING CLIMATE DATASET & FEATURES CONSTRUCTION $u_2 = \mathbf{Ht}$ $u_4 = PRC$ $u_1 =$ MT $u_3 =$ Lt Total per day $t_{1,s_1}$ Average per da $t_{2,s_2}$ Total per day $t_{2,s_2}$ $t_{2,s_2}$ Average per day $S_1$ $S_1$ $s_1$ $s_1$ Total per day $T_{1,s_2}$ Average per da $L_{s_1}^{u_4}$ **Stations** $L_{s_1}^{u_1}$ Stations Stations **Stations Parkinson Volatility** $t_{1,s_1}$ Average per day $t_{2,s_2}$ Average per day $s_1$ Average per day $t_{1,S}$ Total per day $t_{1,S}$ Average per day $t_{2,S}$ Total per day **Stations** $t_{2,S}$ Average per da S S $T_{1,S}$ Total per day Average per da $L_S^{u_4}$ **Stations** $\bigcirc$ $\bigcirc$ $\bigcirc$ $L_S^{u_1}$ **Stations Spatial Averaged Spatial Total PRC Parkinson Volatility Spatial Averaged MT**