**Supplementary File 2.**

Model parameters for linear mixed-effect model assessing the impact of air quality (AQI) on the baseline change preference score model which included Year, Load, SES, Age Cohort, and LookingWindow1 as predictors, controlling for the shift rate (see Table 6).

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Variable** | **Estimate** | **Std. Error** | **DF** | **t value** | **Pr(>|t|)** |
| (Intercept) | 0.376 | 0.016 | 646.80 | 23.364 | <0.001 |
| **SR** | **0.094** | **0.023** | **855.40** | **4.166** | **<0.001** |
| Year | -0.010 | 0.108 | 707.20 | -0.096 | 0.9232 |
| **Load1** | **0.026** | **0.009** | **834.30** | **2.821** | **0.0049** |
| Load2 | -0.004 | 0.009 | 829.60 | -0.404 | 0.6866 |
| SES | -0.011 | 0.014 | 538.00 | -0.796 | 0.4264 |
| Age | 0.027 | 0.014 | 185.70 | 1.835 | 0.068 |
| AQI | 0.000 | 0.000 | 181.30 | -0.547 | 0.5851 |
| Year:SES | 0.028 | 0.027 | 693.50 | 1.027 | 0.305 |
| Year:LookingWindow1 | 0.042 | 0.130 | 696.90 | 0.321 | 0.7483 |
| SES:LookingWindow1 | 0.012 | 0.017 | 543.90 | 0.724 | 0.4691 |
| **Year:AQI** | **0.001** | **0.000** | **916.50** | **2.011** | **0.0446** |
| Year:SES:LookingWindow1 | -0.043 | 0.033 | 689.20 | -1.287 | 0.1986 |