Supplementary Material S2

Additional methodological notes on score calculations

ECP_i calculation:

In this first equation, $Resp_{Emo-Org}$ stands for decile response scores at emotion-connoted statements for organizational scenarios, $Resp_{Emo-Med}$ stands for decile response scores at emotion-connoted statements for medical scenarios, $RT_{Emo-Org}$ stands for mean RTs converted in a decile scale for emotion-connoted statements in organizational scenarios, and $RT_{Emo-Med}$ stands for mean RTs converted in a decile scale for emotion-connoted statements in medical scenarios.

CCP_i calculation:

In this second equation, $Resp_{Cog-Org}$ stands for decile response scores at cognition-connoted statements for organizational scenarios, $Resp_{Cog-Med}$ stands for decile response scores at cognition-connoted statements for medical scenarios, $RT_{Cog-Org}$ stands for mean RTs converted in a decile scale for cognition-connoted statements in organizational scenarios, and $RT_{Cog-Med}$ stands for mean RTs converted in a decile scale for cognition-connoted statements in medical scenarios.

TR_{PSD} calculation:

In this third equation, TR_{PSD} represents task-related variations in EEG power values for each frequency band and each electrode site, PSD_{task} represents EEG power values during the task for each frequency band and each electrode site, and $PSD_{open-bl}$ represents EEG power values in eye-open baseline for each frequency band and each electrode site.

TR_{AI} calculation:

In this fouth equation, TR_{AI} represents task-related changes in the autonomic measure (SCL, SCR, HR, or HRV), AI_{task} represents the autonomic activity during the task for each measure, and $AI_{open-bl}$ represents the autonomic activity in eye-open baseline for each measure.