

Healing Environment Design: Emotion, Accessibility and Universal Thermal Climate Index

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Abstract : Emotion is one of the important indicators of healing environment design. This study fills this gap by analyzing sentiment indicators in high-density residential areas in Hong Kong over a period of two months. Firstly, the study obtained climate data and building model information for Hong Kong's West Kowloon district. Then, Rhino and Grasshopper were used to calculate the isovist, emotion, UTCI, and accessibility of the study area. Finally, the study applied multiple linear regression to examine the influencing factor of emotion. The results show that the higher the values of accessibility, UTCI and building density, the lower the emotion value. However, it's interesting that in extreme hot week, UTCI has a greater effect on emotion than building density.

Keywords : emotion, isovist, microclimate, accessibility index

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