

## **Influence of the Seat Arrangement in Public Reading Spaces on Individual Subjective Perceptions**

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**Abstract :** This study involves a design proposal. The objective of is to create a seat arrangement model for public reading spaces that enable free arrangement without disturbing the users. Through a subjective perception scale, this study explored whether distance between seats and direction of seats influence individual subjective perceptions in a public reading space. This study also involves analysis of user subjective perceptions when reading in the settings on 3 seats at different directions and with 5 distances between seats. The results may be applied to public chair design. This study investigated that (a) whether different directions of seats and distances between seats influence individual subjective perceptions and (b) the acceptable personal space between 2 strangers in a public reading space. The results are shown as follows: (a) the directions of seats and distances between seats influenced individual subjective perceptions. (b) subjective evaluation scores were higher for back-to-back seat directions with Distances A (10 cm) and B (62 cm) compared with face-to-face and side-by-side seat directions; however, when the seat distance exceeded 114 cm (Distance C), no difference existed among the directions of seats. (c) regarding reading in public spaces, when the distance between seats is 10 cm only, we recommend arranging the seats in a back-to-back fashion to increase user comfort and arrangement of face-to-face and side-by-side seat directions should be avoided. When the seat arrangement is limited to face-to-face design, the distance between seats should be increased to at least 62 cm. Moreover, the distance between seats should be increased to at least 114 cm for side-by-side seats to elevate user comfort.

**Keywords :** individual subjective perceptions, personal space, seat arrangement, direction, distances

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