

The Weighting Method Which Reflected the Risk Recognition of Railroad Users

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The decision making about the risk should not be carried out only with scientific rationality, but should be carried out after having grasped the thought of human being who must receive a risk. Therefore, in this study, we carried out society investigation to grasp how a user recognizes the risk of a transportation disorder and the accident of the railroad. Based on investigation analysis, we constructed “the risk recognition model by railroad users” to be comprised of 2 factors. The first factor is “proximity characteristics”, of which a representative one is whether a user himself has a possibility of the encounter with an accident and transportation disorder. Another factor is fear characteristics. A representative characteristic of this factor is size of the influence of the injury expected when a user met with an accident and transportation disorder and whether a user feels that he is in danger. Furthermore, we developed a weighting method based on these 2 factor models which reflect the risk recognition by railroad users.