



## Does traffic stress affect distance estimation and recognition accuracy in urban bus drivers?

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Auteur	Hoseinabadi, Sedigheh [1], Porabdeyan, Seyamak [2], Zare, Mohsen [3], Amiri, Shoule [4], Ghasemi, Mehdi [5], Mansori, Asieh [6]
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Résumé en anglais	<p>This study has been carried out to investigate the effect of traffic load on the level of blood adrenaline hormone and its influences on the distance estimation and recognition accuracy among urban bus drivers. The level of blood adrenaline hormone has been regarded as stress index. 69 urban bus drivers were investigated in a heavy and low traffic days. The precision of distance estimation and the recognition accuracy among this population was also evaluated in both situation. The level of adrenaline in drivers' blood in heavy traffic was more than low traffic days. The mean of recognition accuracy and distance estimation precision showed that the drivers' ability have decreased in high-traffic day as opposed to low-traffic day. The rising of the drivers' blood adrenalin on heavy traffic day could make the drivers more stressed out as their precision and judgment might be reduced.</p>
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