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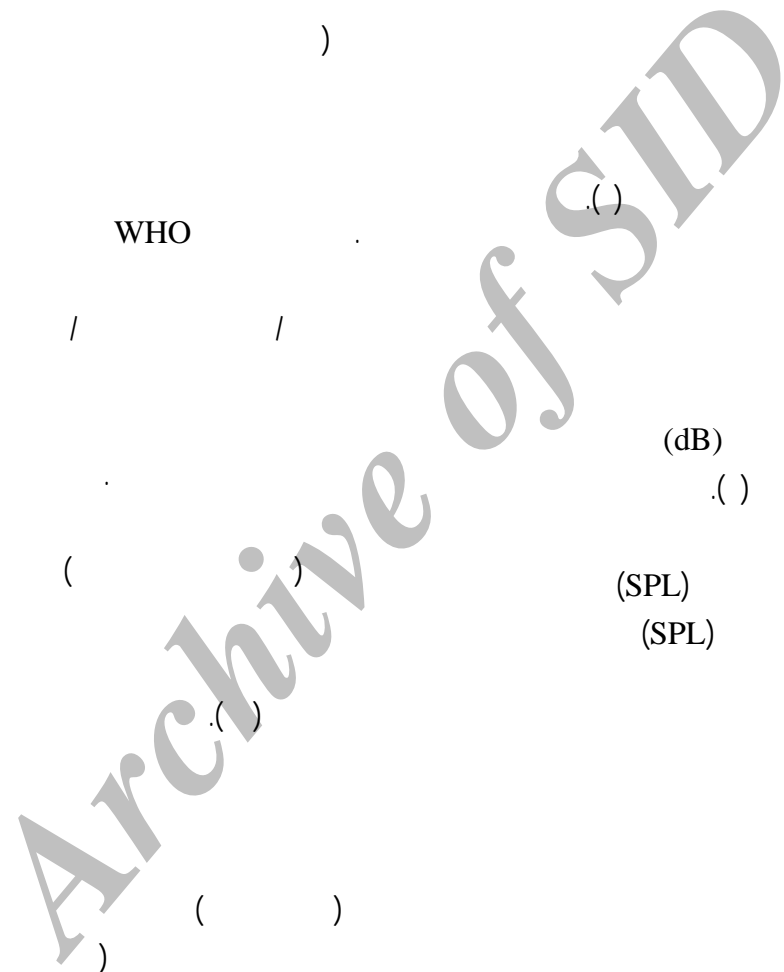
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- WHO (World Health Organization)

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- Bruel & Kjaer
 - Equivalent Noise Level
 - Desible
 - Maximum Peak
 - Maximum Level
 - Sound Level Pressure

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: Light Vehicle

:Truck

: Motor cycle

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Leq (A)

MaxP MaxL

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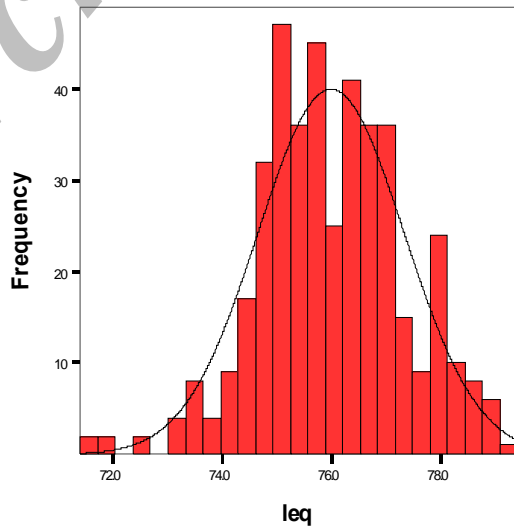
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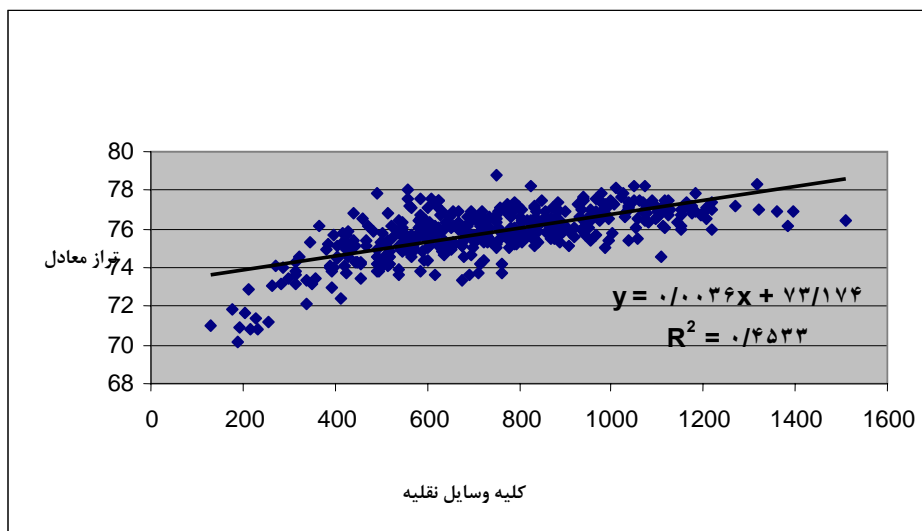
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Total	Motor	Car	Truck	

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شکل ۲- رابطه بین کلیه وسایل نقلیه و تراز معادل در خیابان قیام

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MinL(dBA)	MaxL(dBA)	MaxP(dBA)	Leq(dBA)	
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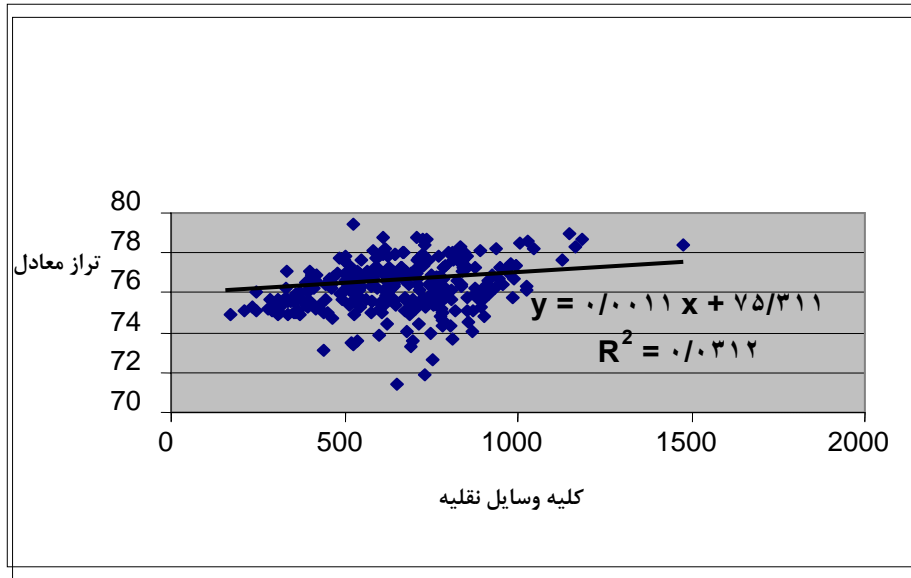
Total	Motor	Car	Truck	

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A Study and Measurement of Noise Pollution due to Traffic, Yazd

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Abstract

Noise pollution was measured in the city of Yazd. Ghiyam avenue was chosen as control in which measurement station in different places locations as well as different days of the week were selected. In 2003, 10 streets were selected where noise pollution was assessed. Results indicated a significant difference ($P < 0.01$) between the two points of the control street (i.e., beginning and the middle part of the same street). Of study in the days of the week only Friday was significantly different ($P < 0.01$) from the rest of the week. There is a positive correlation between the number of vehicles and equivalent sound level in sampling region ($P < 0.01$). The lowest equivalent sound level belongs to Timsar-fallahi street with 74/2 dB (A) while the highest to Ayatollah Kashani with 77/9 dB (A). Correlation between equivalent sound level and the number of vehicles in the 10 study points was not significant ($P > 0.05$). All 10 study points exhibited a higher noise pollution level than the standard level prevailing in Iran.

Keywords: Noise pollution, Equivalent Sound Level, Vehicle, Yazd

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