**DATA FOR THIS LESSON**

| **File** | **Description** |
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| count.dat | This data file contains traffic measurements from three intersections over a 24-hour period. We assume that these correspond to the following San Antonio intersections:   * IH10 at De Zavala * LP410 at Military * Durango at N. St. Mary's   The data is in text format. |

* **EXERCISE 1: Read data from a file into MATLAB**

* **EXERCISE 2:** **Plot the data in an informative way (labeled plot in new figure)**

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* **EXERCISE 3: Define and output variables averages of the traffic data by hour and by intersection.**

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* **EXERCISE 4: get the following output**

DeZavala Durango StMarys

Mean: 32.0 46.5 65.6

Median: 23.5 36.0 39.0

Std: 24.8 40.5 66.6

Min: 7.0 9.0 7.0

Max: 114.0 145.0 257.0

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* **EXERCISE 5:**

**Given the following matrix, a, find and show in matrix form the resulting matrices in each case:**

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* **b=a(:,4:-2:2);**

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* **c=a; c(:,3:end)=[];**

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* **d=a; d(3,5)=1;**

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* **e=eye(3); e(4,:)=a(7).\*ones(1,3);**

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