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**Section A**

1. Create a box plot to show the distribution of number of dengue cases in San Juan (sj) or Iquitos (iq) city.

What is conclusion can you draw from the box plot?

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| It can be seen from the graph that the maximum number of dengue in Iquitos is about 20, and the minimum is 0.  Numbers that are more than 20 will be extraneous, since they are rare and therefore we will not count them. The main number of people with dengue fever per week is between 0-10. |
| It can be seen from the graph that the maximum number of dengue in San Juan is about 90, and the minimum is 0.  Numbers that are more than 90 will be extraneous, since they are rare and therefore we will not count them. The main number of people with dengue fever per week is between 10-40. |

1. For either San Juan (sj) or Iquitos (iq) city, create a histogram to show the distribution of number of dengue cases.

What is conclusion can you draw from the histogram?

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| Examining this table, you can see that the main number of infection cases lie from 0 to 5 (about 165 times), and everything that is main, which is further than 5, but less than 40, is not so common. You can also notice that it is very rare, but there are still cases of infection of about 120 people. In general, the situation in Iquitos can be assessed as favorable. |

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| Examining this table, you can see that the main number of infection cases lie from 0 to 10 (about 240 times), and everything that is main, which is further than 10, but less than 100, is not so common. You can also notice that it is very rare, but there are still cases of infection of about 400 people. This situation is extremely difficult, because the number of infected people is too high. |

**Section B**

Selected Chart.

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| Selected Chart: Strip plot |

What is conclusion can you draw from your selected chart?

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| Examining this graph, you can see how the number of infected has increased, as well as how it has decreased. The largest number of cases was detected in 1994 (more than 400 cases), but by 2008 everything was reduced to a minimum (about 70 cases per year). This suggests that the situation has improved in 2 two cities and in the future, with the application of all the necessary measures, the number of cases can be reduced to 0. |