**Istanbul University School of Business**

**Introduction to Statistics Week 5 – 23rd of October, 2012**

**Quiz 1**

**Name, Surname: ..................................**

**Number: ...............................................**

**Q1)** The following table provides the data of agricultural land of Spain and Turkey as a percentage of their total land in between 2004 and 2009. Compare the two countries’ **average change in their agricultural land**.

|  |  |  |
| --- | --- | --- |
| **Agricultural land (% of land area)** | | |
| Year | Spain | Turkey |
| 2004 | 58.2 | 53.5 |
| 2005 | 58.4 | 53.6 |
| 2006 | 57.3 | 52.6 |
| 2007 | 56.1 | 51.3 |
| 2008 | 56.4 | 50.8 |
| 2009 | 55.5 | 50.6 |

**Q2)** The following table shows the results of a satisfaction survey among 1673 respondents on the efficiency of the recycling material collection of their town’s municipality. The survey has 5 answers to evaluate the efficiency of the recycling material collection. Summarize the following data using charts and appropriate statistics.

|  |  |
| --- | --- |
|  | Number of respondents |
| Never collected any recycling material | 971 |
| Was collecting but has ceased to collect now | 179 |
| Collecting via the recycling containers but the number of the containers are not enough | 242 |
| Collecting via the recycling containers and the number of the containers are enough | 42 |
| Collects in any case and continues to collect | 239 |