

**In the Name of God**

**Foundations of Neuroscience**

Homework\_1 Report

Hudgkin-Huxley Model

Leaky Integrate and Fire Neuron Model

Dr. Ghazizadeh

Armin Panjehpour – 98101288

1. Statistical Hypothesis testing:

Null hypothesis: Somatosensory neurons activity aren`t correlated with skin temperature changes.

Alternate hypothesis: Somatosensory neurons activity are correlated with skin temperature changes.

1.2-

Perhaps, no! because we have just done one measurement and for using t-test our distributions should be normal.

1.3-