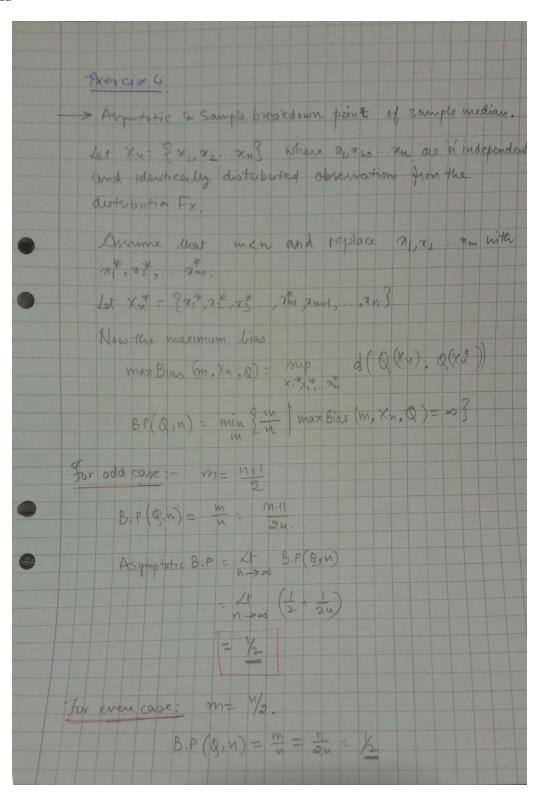
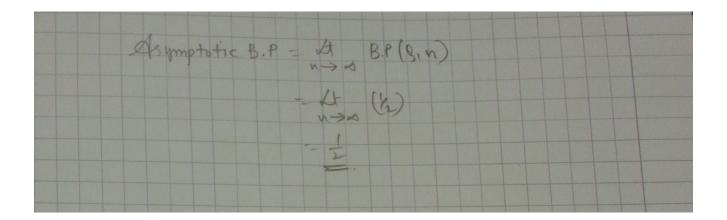
## MS-E2112 - Multivariate statistical analysis - Home exercise 4

Srikanth Gadicherla, 546195

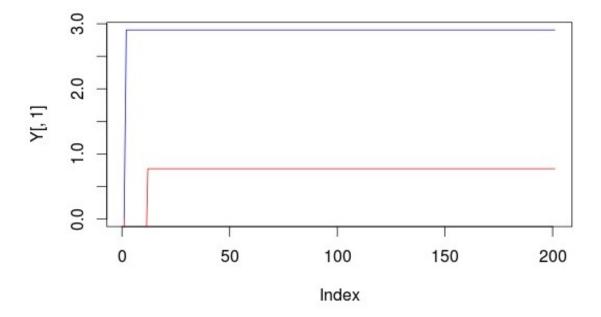
February 5, 2016

## Problem 1a





Problem1b



The empirical influence function for the median is given in the above figure for bivariate data.

## Problem1c

As, the empirical influence for the median is clearly bounded (here the negaitive part of the plot is not available) it tells that median is a robust estimate.