**List of Exhibits**

**Do not include TITLES in Exhibits: Just Label the axes as appropriate**

**EXHIBIT 1: (Figure)**

**Title:** Hospital’s Average Spending Levels During a Medicare Spending per Beneficiary Episode, 2015

**Source**: Authors’ illustration for a simple random sample of 100 hospitals from national data from the Centers for Medicare and Medicaid Services.

**Notes:** MSPB is price standardized to account for …

Total episode of care spending includes 1) all paid claims 1 to 3 days prior to index hospital admission; 2) all paid claims during index hospital admission; 3) all paid claims 1 through 30 days after discharge from index hospital admission.

*Generate a simple random sample (SRS) of 100 hospitals to produce stacked box graphics with 3 components:*

*1)* ***preindex***

*2)* ***index***

*3)* ***postindex***

**EXHIBIT 2 - 2a, 2b, 2c, 2d: (Figure)**

**Title:** Hospital’s Average Spending Levels During a Medicare Spending per Beneficiary Episode by Hospital Characteristics, 2015 (***bed size, ownership, teaching status, and star ratings***)

*Outcome variable name in dataset is* ***episode.***

***(****Episode is the sum of preindex, index, and postindex.)*

(Use R’s **NPAR Package** (nonparametric testing) to compare performance across groups. Draw Boxplots for each group of hospitals and by star ratings. NPAR reports pairwise comparison **adjusted and non-adjusted with HLOM, Bonferroni, etc..**

**Note:** (See example below)

**/\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* NPAR Package \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*/**

**NPAR**

**Downloading NPAR Package**

**pkg** <- "npar\_1.0.tar.gz"

**loc** <- "http://www.statmethods.net/RiA"

**url** <- paste(loc, pkg, sep="/")

**download**.file(url, pkg)

**install**.packages(pkg, repos=NULL, **type**="source")

**Figure 1**

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**Figure 2. Annotated box plots displaying group differences. The plot is annotated with the medians and sample sizes for each group. The dotted vertical line represents the overall median.**

