

```
/* PROC UNIVARIATE: */

/* IT IS USED TO CHECK THE DATA DISTRIBUTION,
   GET DESCRIPTIVE STATISTICS,
   DO THE NORMALITY ASSESSMENT AND
   DISCOVERY OF OUTLIERS,
   HYPOTHESIS TESTING AND MANY MORE. */

DATA CAR_SUBSET;
SET SASHELP.CARS;
KEEP ORIGIN MSRP INVOICE;
RUN;

PROC PRINT DATA=CAR_SUBSET;
RUN;

/* EG-1: */

/* IT WILL SHOW THE STATISTICAL SUMMARY FOR ALL NUMERIC VARIABLES. */
PROC UNIVARIATE DATA=CAR_SUBSET;
RUN;

/* EG-2: */

/* IT WILL SHOW THE STATISTICAL SUMMARY FOR ONLY ONE NUMERIC VARIABLE. */
PROC UNIVARIATE DATA=CAR_SUBSET;
VAR MSRP;
RUN;

/* EG-3: */

/* IT WILL SHOW THE STATISTICAL SUMMARY FOR ONLY ONE NUMERIC VARIABLE GROUP BY CATEGORY (ORIGIN VARIABLE). */
PROC UNIVARIATE DATA=CAR_SUBSET;
VAR MSRP;
CLASS ORIGIN;
RUN;

/* EG-4: */

/* IT WILL SHOW BASIC MEASURES ONLY */
ODS SELECT BASICMEASURES;
PROC UNIVARIATE DATA=CAR_SUBSET;
VAR MSRP;
RUN;

/* EG-5: */

/* IT WILL GIVE THE TITLE. */
ODS SELECT BASICMEASURES;
PROC UNIVARIATE DATA=CAR_SUBSET;
TITLE BASIC MEASURES;
VAR MSRP;
RUN;

/* EG-6: */

/* IT WILL GIVE THE FOOTNOTE. */
ODS SELECT BASICMEASURES;
PROC UNIVARIATE DATA=CAR_SUBSET;
TITLE BASIC MEASURES;
VAR MSRP;
FOOTNOTE "THIS IS THE END";
RUN;
```

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/* EG-7: */
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/* IT WILL CREATE A HISTOGRAM PLOT WITH SUMMARY REPORT. */
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ODS SELECT ExtremeObs;
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PROC UNIVARIATE DATA=CAR_SUBSET;
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```
TITLE "BASIC MEASURES";
```

```
VAR MSRP;
```

```
HISTOGRAM;
```

```
FOOTNOTE "THIS IS THE END";
```

```
RUN;
```

```
PROC UNIVARIATE DATA=CAR_SUBSET PLOTS;
```

```
VAR MSRP;
```

```
RUN;
```