```
(**********Use the Benjamini-Hochberg procedure to generate p-
     values that are corrected for multiple comparisons. In this example,
    these are 3 groups being compared and this 3 different comparisons
     (A vs. B, A vs. C, and B vs. C). Follow the file structure conventions
     mainDir = "";
    (***Group A vs. Group B vs. Group C***)
    pAvsB =
      Import[StringJoin[mainDir, "/SemiweightedStats/GroupAvsGroupB/SemiweightedStruct/",
          "groupAvsGroupB_pValSW.txt"], "List"][[1]];
    pAvsC =
      Import[StringJoin[mainDir, "/SemiweightedStats/GroupAvsGroupC/SemiweightedStruct/",
         "groupAvsGroupC_pValSW.txt"], "List"][[1]];
    pBvsC =
      Import[StringJoin[mainDir, "/SemiweightedStats/GroupBvsGroupC/SemiweightedStruct/",
          "groupBvsGroupC pValSW.txt"], "List"][[1]];
    (***First sort p-values from smallest to largest***)
    sortedLabelsAndPs =
      Sort[{{"pAvsB", pAvsB}, {"pAvsC", pAvsC}, {"pBvsC", pBvsC}}, #1[[2]] < #2[[2]] &];</pre>
    (***Next, multiply each p-
     value by the total number of comparisons and divide the result by its rank order***)
ln[*]:= bhCorrectedLabelsAndPs = Table[{sortedLabelsAndPs[[n, 1]],
         (sortedLabelsAndPs[[n, 2]] * Length[sortedLabelsAndPs]) / n},
       {n, 1, Length[sortedLabelsAndPs]}];
    (***Next, make sure that the resulting sequence of p-
     values is monotonically increasing. If the sequence is decreasing at any point,
    make the preceding p-value equal to the subsequent p-
     value. The result is final list of multiple-comparisons-corrected p-values.***)
Info ]:= nondecbhCorrectedLabelsAndPs =
     Table[{bhCorrectedLabelsAndPs[[n, 1]], Which[n < Length[bhCorrectedLabelsAndPs] &&
         bhCorrectedLabelsAndPs[[n, 2]] ≤ bhCorrectedLabelsAndPs[[n + 1, 2]],
        bhCorrectedLabelsAndPs[[n, 2]], n < Length[sortedLabelsAndPs] &&</pre>
         bhCorrectedLabelsAndPs[[n, 2]] > bhCorrectedLabelsAndPs[[n + 1, 2]],
        bhCorrectedLabelsAndPs[[n + 1, 2]], n == Length[bhCorrectedLabelsAndPs],
        bhCorrectedLabelsAndPs[[n, 2]]]}, {n, 1, Length[bhCorrectedLabelsAndPs]}]
```