

Inference How-To

Output HTML Tables in R

Overview

Inference in Word supports the capture of HTML files that are generated during code execution. These HTML files are then embedded into the Results Document during document execution.

The key to this process is letting Inference provide the path to where the target HTML file is generated. This is done with a built-in Inference function:

```
infOutput.getHTMLFilePath()
```

Example

To begin, let's perform an analysis of variance on a dataset. The dataset "MichelsonData" is embedded into this document as an Inference in Excel DataFrame.

```
AnalysisOfVariance <- aov(  
  Speed ~ Run + Expt,  
  data=MichelsonData  
)
```

Once we've performed the analysis of variance, we can use the **xtable** package (included in the References list of the Parts Container Properties) to create a table of the resulting analysis.

```
AnalysisOfVariance.table <- xtable(AnalysisOfVariance)
```

Finally, we'll use the print function to output the table to an HTML file. One of the parameters that this method takes is the path to the HTML file. We pass the return result from the function `infOutput.getHTMLFilePath()` as the value for that parameter:

```
print(  
  x=AnalysisOfVariance.table,  
  type="html",  
  file=infOutput.getHTMLFilePath()  
)
```

	Df	Sum Sq	Mean Sq	F value	Pr(> F)
Run	1	411.70	411.70	0.07	0.7872
Expt	1	72580.50	72580.50	12.92	0.0005

Residuals	97	545031.80	5618.88		
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When the document is executed, the resulting HTML Table will be embedded into the results document right after the code above. Try it out!