

Sample for Integrating R Output with Latex

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1 Introduction

Notes for automating R and Latex

On Windows, install Miktex and ghostscript. (Might need r devtools because you need 'make')

If you have PDFs you need to crop, add this to your PATH (may be in a dif folder, need Ghostscript):

C:\Program Files (x86)\gs\gs9.04\bin

Makefile Edit the first three lines

TEXFILE= paper # this is the name of your main .tex file, without the extension

RDIR= . # R working directory. A period indicates the tex files are in the same folder as the R files

FIGDIR= ./figures #where the graphs(PDFs) are found by tex (you must be consisten in your R files)

2 In Latex

Use

`input{petDancing}` to include an external text file.

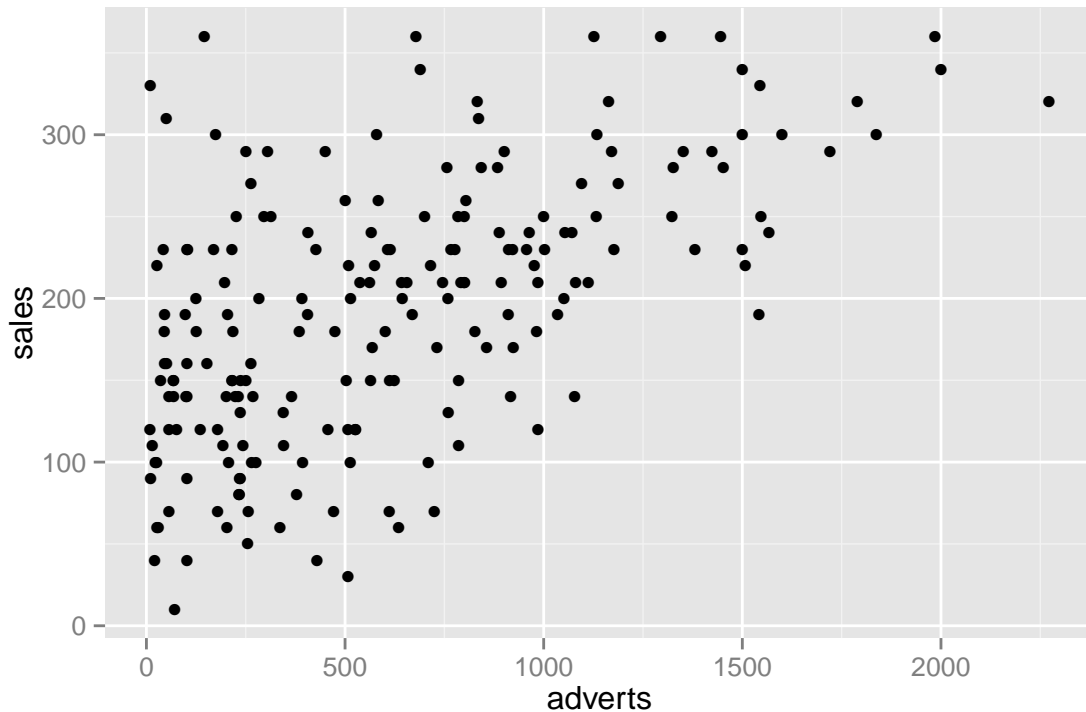


Figure 1: Sample Scatter Plot

Figure 1 shows a scatterplot for advertisements and album sales. The table 1 shows the counts for pets and dancing. The p value is 3.141.

	Yes	No
Food as Reward	28	10
Affection as Reward	48	114

Table 1: Pets and Dancing.

3 References

This is a poorly formatted hack of a references section.

1. Breiman, L. (2001), Random Forests, Machine Learning 45(1), 5-32.
2. Breiman L., Friedman J. H., Olshen R. A., and Stone, C. J. (1984) Classification and Regression Trees. Wadsworth.
3. Chang, Chih-Chung and Lin, Chih-Jen. LIBSVM: a library for Support Vector Machines. <http://www.csie.ntu.edu.tw/>