

Stat 539 Spring 2006 Homework 6 due March 9

The aim of a study by Hartman-Maier et al. (A-33) was to evaluate the awareness of deficit profiles among stroke patients undergoing rehabilitation. She studied 35 patients with a stroke lesion in the right hemisphere and 19 patients with a lesion on the left hemisphere. She also grouped lesion size as

2 = 1–3 cm, 3 = 3–5 cm, and 4 = 5 cm or greater.

One of the outcome variables was a measure of each patient's total unawareness of their own limitations. Scores ranged from 8 to 24, with higher scores indicating more unawareness.

Lesion Size Group	Unawareness Score	
	Left Hemisphere	Right Hemisphere
2	11	10
	13	11
	10	13
	11	10
	9	13
	10	10
	9	10
	8	9
	10	8
3	13	11
	8	10
	10	10
	10	14
	10	8
4	11	10
	13	13
	14	10
	13	10
	14	15
		8

SOURCE: Adina Hartman-Maier, Ph.D., O.T.R. Used with permission.

Do a complete analysis of the data for effects of lesion size, hemisphere affected, and interactions between those effects.