Streptomycin for Tuberculosis data codebook

Peter Higgins

6/24/2021

Streptomycin for Tuberculosis Dataset Codebook

Source: This data set is from a prospective, randomized, placebo-controlled clinical trial, *Streptomycin Treatment of Pulmonary Tuberculosis* published on October 30, 1948 in the British Medical Journal, pages 769-782, by the Streptomycin in Tuberculosis Trials Committee. This is often considered the first modern randomized clinical trial ever published.

This dataset is reconstructed from the article to the best of my ability, and particularly from tables 1-4, which can be reconstructed exactly with janitor::tabyl(), or a more modern Table 1 can be created with gtsummary::tbl_summary(). The *particpant_id* variable was added to this reconstructed dataset. The *radnum* variable and the *improved* variable were added to allow for multivariate and logistic regression modeling (though you can also use logistic regression for the dichotomous outcome of death, radnum =1). You can read the original study in a the BMJ here.

Codebook

variable	position	Variable_Label	units	Codes	type
patient_id	1	Participant ID			character
arm	2	Study Arm		Streptomycin, Control	factor
dose_strep_g	3	Dose of Streptomycin in Grams	grams		numeric
dose_PAS_g	4	Dose of Para-Amino-Salicylate in Grams	grams		numeric
gender	5	Gender		M = Male, F = Female	factor
baseline_condition	6	Condition of the Patient at Baseline		1_Good, 2_Fair, 3_Poor	factor
baseline_temp	7	Oral Temperature at Baseline	Degrees F	1_98-98.9F, 2_99-99.9F, 3_100-100.9F, 4_100F+	factor
baseline_esr	8	Erythrocyte Sedimentation Rate at baseline	millimeters per hour	1_1-10, 2_11-20, 3_21-50, 4_51+	factor

variable	position	Variable_Label	units	Codes	type
baseline_cavitation	9	Cavitation of the Lungs on chest X-ray at baseline		yes, no	factor
strep_resistance	10	Resistance to Streptomycin at 6m		1_sens_0-8, 2_mod_8-99, 3_resist_100+	factor
radiologic_6m	11	Radiologic outcome at 6m		1_Death, 2_Considerable Deterioration, 3_Moderate_deterioration, 4_No_change, 5_Moderate_improvement, 6_Considerable_improvement	factor
radnum	12	Numeric Rating of Chest X-ray at month 6		1-6	numeric
improved	13	Dichotomous Outcome of Improved		TRUE, FALSE	logical