Michelson Speed of Light Data

Description

A classical data of Michelson (but not this one with Morley) on measurements done in 1879 on the speed of light. The data consists of five experiments, each consisting of 20 consecutive 'runs'. The response is the speed of light measurement, suitably coded (km/sec, with 299000 subtracted).

Usage

morley

Format

A data frame with 100 observations on the following 3 variables.

Expt

The experiment number, from 1 to 5.

Run

The run number within each experiment.

Speed

Speed-of-light measurement.

Dataset:

Expt	Run	Speed
001	1	850
002	2	740
003	3	900
004	4	1070
005	5	930
006	6	850
007	7	950
008	8	980
009	9	980
010	10	880
011	11	1000
012	12	980
013	13	930
014	14	650
015	15	760
016	16	810
017	17	1000
018	18	1000

019	1	19	960
020	1	20	960
021	2	1	960
022	2	2	940
023	2	3	960
024	2	4	940
025	2	5	880
026	2	6	800
027	2	7	850
028	2	8	880
029	2	9	900
030	2	10	840
031	2	11	830
032	2	12	790
033	2	13	810
034	2	14	880
035	2	15	880
036	2	16	830
037	2	17	800
038	2	18	790
039	2	19	760
040	2	20	800
041	3	1	880
042	3	2	880
043	3	3	880
044	3	4	860
045	3	5	720
046	3	6	720
047	3	7	620
048	3	8	860
049	3	9	970
050	3	10	950
051	3	11	880
052	3	12	910

053	3	13	850
054	3	14	870
055	3	15	840
056	3	16	840
057	3	17	850
058	3	18	840
059	3	19	840
060	3	20	840
061	4	1	890
062	4	2	810
063	4	3	810
064	4	4	820
065	4	5	800
066	4	6	770
067	4	7	760
068	4	8	740
069	4	9	750
070	4	10	760
071	4	11	910
072	4	12	920
073	4	13	890
074	4	14	860
075	4	15	880
076	4	16	720
077	4	17	840
078	4	18	850
079	4	19	850
080	4	20	780
081	5	1	890
082	5	2	840
083	5	3	780
084	5	4	810
085	5	5	760
086	5	6	810

087	5	7	790
088	5	8	810
089	5	9	820
090	5	10	850
091	5	11	870
092	5	12	870
093	5	13	810
094	5	14	740
095	5	15	810
096	5	16	940
097	5	17	950
098	5	18	800
099	5	19	810
100	5	20	870