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Beijing PM2.5 Data Data Set

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Abstract: This hourly data set contains the PM2.5 data of US Embassy in Beijing. Meanwhile, meteorological data from Beijing Capital International Airport are also included.

Data Set Characteristics:	Multivariate, Time-Series	Number of Instances:	43824	Area:	Physical
Attribute Characteristics:	Integer, Real	Number of Attributes:	13	Date Donated	2017-01-19
Associated Tasks:	Regression	Missing Values?	Yes	Number of Web Hits:	52555

Source:

Song Xi Chen, csx '@' gsm.pku.edu.cn, Guanghua School of Management, Center for Statistical Science, Peking University.

Data Set Information:

The data's time period is between Jan 1st, 2010 to Dec 31st, 2014. Missing data are denoted as "NA".

Attribute Information:

No: row number

year: year of data in this row

month: month of data in this row

day: day of data in this row

hour: hour of data in this row

pm2.5: PM2.5 concentration (ug/m³)

DEWP: Dew Point (\hat{a}, f)

TEMP: Temperature (\hat{a}, f)

PRES: Pressure (hPa)

cbwd: Combined wind direction

lws: Cumulated wind speed (m/s)

ls: Cumulated hours of snow

lr: Cumulated hours of rain

Relevant Papers:

Liang, X., Zou, T., Guo, B., Li, S., Zhang, H., Zhang, S., Huang, H. and Chen, S. X. (2015). Assessing Beijing's PM2.5 pollution: severity, weather impact, APEC and winter heating. Proceedings of the Royal Society A, 471, 20150257.

Citation Request:

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