

The changes of AQI in 5 major cities of China

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The data is from [U.S. Department of State - Mission Chin](#)

Here is the sample of PDF file

A fact sheet with definitions and metadata for this dataset can be found at <http://www.stateair.net/web/historical/1/1.html>.

The U.S. Department of State Data Use Statement at <http://www.stateair.net/web/historical/1/1.html> applies to these and all data available from the Mission China air quality monitoring program.

Site	Parameter	Date (LST)	Year	Month	Day	Hour	Value	Unit	Duration	QC Name
Beijing	PM2.5	11/26/16 00:00	2016	11	26	0	340	µg/m ³	1 Hr	Valid
Chengdu	PM2.5	11/26/16 00:00	2016	11	26	0	93	µg/m ³	1 Hr	Valid
Guangzhou	PM2.5	11/26/16 00:00	2016	11	26	0	16	µg/m ³	1 Hr	Valid
Shanghai	PM2.5	11/26/16 00:00	2016	11	26	0	30	µg/m ³	1 Hr	Valid
Shenyang	PM2.5	11/26/16 00:00	2016	11	26	0	71	µg/m ³	1 Hr	Valid
Beijing	PM2.5	11/26/16 01:00	2016	11	26	1	332	µg/m ³	1 Hr	Valid

I extracted all of valid data in that PDF file except first 5 lines.

Final data structure is

```
[{'Beijing': {'Date (LST)': '11/30/16 23:00',
              'Day': '30',
              'Duration': '1 Hr',
              'Hour': '23',
              'Month': '11',
              'Parameter': 'PM2.5',
              'QC Name': 'Valid',
              'Unit': 'µg/m³',
              'Value': '97',
              'Year': '2016'}},
 {'Shenyang': {'Date (LST)': '11/30/16 23:00',
                'Day': '30',
                'Duration': '1 Hr',
                'Hour': '23',
                'Month': '11',
                'Parameter': 'PM2.5',
```

```
'QC Name': u'Valid',  
'Unit': u'\xb5g/m\xb3',  
'Value': u'17',  
'Year': u'2016'}}]
```

Here is an output sample

```
[{u'Beijing': {'Date (LST)': u'11/26/16\t00:00',  
              'Day': u'26',  
              'Duration': u'1\tHr',  
              'Hour': u'0',  
              'Month': u'11',  
              'Parameter': u'PM2.5',  
              'QC Name': u'Valid',  
              'Unit': u'\xb5g/m\xb3',  
              'Value': u'340',  
              'Year': u'2016'}}},  
{u'Chengdu': {'Date (LST)': u'11/26/16\t00:00',  
              'Day': u'26',  
              'Duration': u'1\tHr',  
              'Hour': u'0',  
              'Month': u'11',  
              'Parameter': u'PM2.5',  
              'QC Name': u'Valid',  
              'Unit': u'\xb5g/m\xb3',  
              'Value': u'93',  
              'Year': u'2016'}}},
```