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Incomplete metadataVersion 1.0

元数据版本 1.0 不完整

2008, "Data Expo 2009: Airline on time data", https://doi.org/10.7910/DVN/HG7NV7, Harvard Dataverse, V1

2008, "Data Expo 2009: Airline on time data", https://doi.org/10.7910/DVN/HG7NV7, 哈佛数据仓库, V1

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Bi-Annual Data Exposition: Every other year, at the Joint Statistical Meetings, the Graphics Section and the Computing Section join in sponsoring a special Poster Session called The Data Exposition, but more commonly known as The Data Expo. All of the papers presented in this Poster Session are reports of analyses of a common data set provided for the occasion. In addition, all papers presented in the session are encouraged to report the use of graphical methods employed during the developme nt of their analysis and to use graphics to convey their findings. Airline on-time performance: Have you ever been stuck in an airport because your flight was delayed or cancelled and wondered if you could have predicted it if you'd had more data? This is your chance to find out. The data: The data consists of flight arrival and departure details for all commercial flights within the USA, from October 1987 to April 2008. This is a large dataset: there are nearly 120 million records in total, and takes up 1.6 gigabytes of space compressed and 12 gigab ytes when uncompressed. The data comes originally from RITA where it is described in detail. You can download the data there, or from the bzipped csv files listed below. These files have derivable variables removed, are packaged in yearly chunks and have been more heavily compressed than the originals. Variable descriptions: Name Description

- 1 Year 1987-2008
- 2 Month 1-12
- 3 DayofMonth 1-31
- 4 DayOfWeek 1 (Monday) 7 (Sunday)
- 5 DepTime actual departure time (local, hhm m)
- 6 CRSDepTime scheduled departure time (local, hhmm)
- 7 ArrTime actual arrival time (local, hhmm)
- 8 CRSArrTime scheduled arrival time (local, hhmm)
- 9 UniqueCarrier unique carrier code
- 10 FlightNum flight number
- 11 TailNum plane tail number
- 12 ActualElapsedTime in minutes
- 13 CRSElapsedTime in minutes
- 14 AirTime in minutes
- 15 ArrDelay arrival delay, in minutes
- 16 DepDelay departure delay, in minutes

- 17 Origin origin IATA airport code
- 18 Dest des tination IATA airport code
- 19 Distance in miles
- 20 TaxiIn taxi in time, in minutes
- 21 TaxiOut taxi out time in minutes
- 22 Cancelled was the flight cancelled?
- 23 CancellationCode reason for cancellation (A = carrier, B = weather, C = NAS, D = security)
- 24 Diverted 1 = yes, 0 = no
- 25 CarrierDelay in minutes
- 26 WeatherDelay in minutes
- 27 NASDelay in minutes
- 28 SecurityDelay in minutes
- 29 LateAircraftDelay in minutes

两年一度的数据展示:每隔一年,在联合统计会议上,图形分会和计算分会共同赞助一个名为"数据展示"的特别海报会议,但更常被称为"数据博览会"。所有在本海报会议上发表的论文都是对为此次活动提供的通用数据集的分析报告。此外,鼓励所有在本届会议上发表的论文报告在分析开发过程中使用的图形方法,并使用图形来传达他们的发现。航空公司准点率:您是否曾经因为航班延误或取消而滞留在机场,并想知道如果您有更多数据是否可以预测?这是您找到答案的机会。数据:数据包括 1987 年 10 月至 2008 年 4 月美国所有商业航班的航班到达和出发详细信息。这是一个大型数据集:总共有近 1.2 亿条记录,压缩后占用 1.6 吉字节空间,解压缩后占用 12 吉字节空间。数据最初来自 RITA,在那里对其进行了详细描述。您可以从那里下载数据,或从下面列出的 bzipped csv 文件中下载。这些文件已删除可推导变量,按年分块打包,并且比原始文件压缩得更多。变量描述:名称描述

- 1年1987-2008
- 2月1-12
- 3 月份中的日期 1-31
- 4 星期几 1 (星期一) 7 (星期日)
- 5 出发时间 实际出发时间 (当地时间, hhmm)
- 6 计划出发时间 计划出发时间 (当地时间, hhmm)

- 7 到达时间 实际到达时间 (当地时间, hhmm)
- 8 计划到达时间 计划到达时间 (当地时间, hhmm)
- 9 唯一承运人 唯一承运人代码
- 10 航班号 航班号
- 11 尾号 飞机尾号
- 12 实际飞行时间 以分钟为单位
- 13 计划飞行时间 以分钟为单位
- 14 空中飞行时间 以分钟为单位
- 15 到达延误 到达延误,以分钟为单位
- 16 出发延误 出发延误,以分钟为单位
- 17 起点 起点 IATA 机场代码
- 18 目的地 目的地 IATA 机场代码
- 19 距离 以英里为单位
- 20 出租车到达时间,以分钟为单位
- 21 出租车出场时间,以分钟为单位
- 22 取消 航班是否取消?
- 23 CancellationCode 取消原因 (A = 航空公司, B = 天气, C = 国家航空系统, D = 安全)
- 24 备降 1 = 是, 0 = 否
- 25 航空公司延误 (分钟)
- 26 天气延误 (分钟)
- 27 国家航空系统延误(分钟)
- 28 安全延误 (分钟)
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- DDI HTML CodebookDDI HTML 代码簿
- JSON

Citation Metadata 引用元数据

| Persistent Identifier 持久标识符 | doi:10.7910/DVN/HG7NV7 |

| Previous Dataset Persistent ID

先前数据集持久 ID | hdl:1902.1/12012 |

| Publication Date 发布时间 | 2008-10-07 |

| Title 标题 | Data Expo 2009: Airline on time data

数据博览会 2009: 航空公司准点数据 |

| Description 描述 | Bi-Annual Data Exposition: Every other year, at the Joint Statistical Meetings, the Graphics Section and the Computing Section join in sponsoring a special Poster Session called The Data Exposition, but more commonly known as The Data Expo. All of the papers presented in this Poster Session are reports of analyses of a common data set provided for the occasion. In addition, all papers presented in the session are encouraged to report the use of graphical methods employed during the developme nt of their analysis and to use graphics to convey their findings. Airline ontime performance: Have you ever been stuck in an airport because your flight was delayed or cancelled and wondered if you could have predicted it if you'd had more data? This is your chance to find out. The data: The data consists of flight arrival and departure details for all commercial flights within the USA, from October 1987 to April 2008. This is a large dataset: there are nearly 120 million records in total, and takes up 1.6 gigabytes of space compressed and 12 gigab ytes when uncompressed. The data comes originally from RITA where it is described in detail. You can download the data there, or from the bzipped csv files listed below. These files have derivable variables removed, are packaged in yearly chunks and have been more heavily compressed than the originals. Variable descriptions: Name Description 1 Year 1987-2008 2 Month 1-12 3 DayofMonth 1-31 4 DayOfWeek 1 (Monday) - 7 (Sunday) 5 DepTime actual departure time (local, hhm m) 6 CRSDepTime scheduled departure time (local, hhmm) 7 ArrTime actual arrival time (local, hhmm) 8 CRSArrTime scheduled arrival time (local, hhmm) 9 UniqueCarrier unique carrier code 10 FlightNum flight number 11 TailNum plane tail number 12 ActualElapsedTime in minutes 13 CRSElapsedTime in minutes 14 AirTime in minutes 15 ArrDelay arrival delay, in minutes 16 DepDelay departure delay, in minutes 17 Origin origin IATA airport code 18 Dest des tination IATA airport code 19 Distance in miles 20 TaxiIn taxi in time, in minutes 21 TaxiOut taxi out time in minutes 22 Cancelled was the flight cancelled? 23 CancellationCode reason for cancellation (A = carrier, B = weather, C = NAS, D = security) 24 Diverted 1 = yes, 0 = no 25 CarrierDelay in minutes 26 WeatherDelay in minutes 27 NASDelay in minutes 28 SecurityDelay in minutes 29 LateAircraftDelay in minutes

两年一度的数据展示:每隔一年,在联合统计会议上,图形部分和计算部分共同赞助一个名为"数据展示"的特别海报会议,但更常被称为"数据博览会"。所有在本海报会议上发表的论文都是对为此目的提供的通用数据集的分析报告。此外,鼓励所有在本届会议上发表的论文报告在分析开发过程中使用的图形方法,并使用图形来传达他们的发现。航空公司准点率:您是否曾经因为航班延误或取消而被困在机场,并想知道如果您有更多数据是否可以预测它?这是您发现的

机会。数据:数据包括 1987 年 10 月至 2008 年 4 月美国所有商业航班的航班到达和出发详细信息。这是一个大型数据集:总共有近 1.2 亿条记录,压缩后占用 1.6 吉字节空间,解压缩后占用 12 吉字节空间。数据最初来自 RITA,在那里对其进行了详细描述。您可以从那里下载数据,或从下面列出的 bzipped csv 文件中下载。这些文件已删除可推导变量,按年分块打包,并且比原始文件压缩得更厉害。变量描述:名称 描述 1 年 1987-2008 2 月 1-12 3 月份中的日期 1-31 4 星期几 1 (星期一) -7 (星期日) 5 实际出发时间 实际出发时间(当地时间,hhmm)6 计划出发时间 计划出发时间(当地时间,hhmm)7 实际到达时间(当地时间,hhmm)6 计划出发时间 计划到达时间(当地时间,hhmm)9 唯一承运人唯一承运人代码 10 航班号 航班号 11 尾号飞机尾号 12 实际飞行时间以分钟计 13 计划飞行时间以分钟计 14 空中飞行时间以分钟计 15 到达延误 到达延误,以分钟计 16 出发延误 出发延误,以分钟计 17 起点 起点 IATA 机场代码 18 目的地 目的地 IATA 机场代码 19 距离 以英里计 20 滑行进场时间滑行进场时间,以分钟计 21 滑行出港时间滑行出港时间,以分钟计 22 取消航班是否取消? 23 CancellationCode 取消原因 (A = 航空公司,B = 天气,C = 国家航空系统,D = 安全) 24 备降 1 = 是,0 = 否 25 航空公司延误(分钟) 26 天气延误(分钟) 27 国家航空系统延误(分钟) 28 安全延误(分钟) 29 飞机延误(分钟)

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