Data Science @ Disney World

Tim

Hellemans

ORTEC

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The data

Getting to know the data

entities.csv	13/03/2023 22:14	Microsoft Excel Com...	8 KB
entities_extra.csv	21/03/2023 21:55	Microsoft Excel Com...	41 KB
metadata.csv	13/03/2023 22:14	Microsoft Excel Com...	1.623 KB
touringplans_data_dictionary.xlsx	13/03/2023 22:13	Microsoft Excel Work...	25 KB

Some information on each attraction

	A	B	C	D	E	F	G
1	code	name	short_name	land	opened_on	duration	average_wait_per_hundred
2	AK01	It's Tough to Be a Bug!	It's Tough to Be a Bug	Discovery Island	04/22/1998	8	12
3	AK07	Kilimanjaro Safaris	Kilimanjaro Safaris	Africa	04/22/1998	20	4
4	AK11	Expedition Everest - Legend of the Forbidden Mountain	Expedition Everest	Asia	04/07/2006	4	4
5	AK14	Kali River Rapids	Kali River Rapids	Asia	02/15/1999	10	5
6	AK18	DINOSAUR	DINOSAUR	DinoLand U.S.A.	04/22/1998	3.5	3
7	AK23	TriceraTop Spin	TriceraTop Spin	DinoLand U.S.A.	03/31/2002	1.5	10
8	AK85	Na'vi River Journey	Na'vi River	Pandora - The World of Avatar	05/27/2017	5	5
9	AK86	Avatar Flight of Passage	Flight of Passage	Pandora - The World of Avatar	05/27/2017	6	4
10	CA03	Monsters, Inc. Mike & Sulley to the Rescue!	Monsters, Inc.	Hollywood Land	01/23/2006	5	4
11	CA06	The Twilight Zone Tower of Terror	Tower of Terror	Hollywood Land	05/05/2004	6	4

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Extended version of entities.csv

	A	B	C	D	E	
1	name	fastpass_booth	created_at	updated_at	short_name	open_e
2	Astro Orbiter	False	2009-07-13T19:14:03.000-04:00	2021-11-15T12:59:25.000-05:00	Astro Orbiter	True
3	The Barnstormer	False	2009-07-13T19:14:05.000-04:00	2023-01-15T22:03:41.000-05:00	Barnstormer	True
4	Bibbidi Bobbidi Boutique	False	2019-11-27T06:45:19.000-05:00	2020-08-18T12:14:30.000-04:00	Bibbidi Bobbidi Boutique	False
5	Big Thunder Mountain Railroad	False	2009-07-13T16:14:03.000-07:00	2023-03-21T10:41:21.000-07:00	Big Thunder Mtn	False
6	Buzz Lightyear's Space Ranger Spin	False	2009-07-13T16:14:03.000-07:00	2023-03-21T09:15:14.000-07:00	Buzz Lightyear	True
7	Casey Jr. Splash 'N' Soak Station	False	2012-01-30T21:29:31.000-05:00	2021-07-24T22:57:32.000-04:00	Casey Jr Splash	False
8	Casey's Corner Pianist	False	2010-07-07T18:48:23.000-04:00	2021-11-04T00:05:06.000-04:00	Casey's Corner Pianist	False
9	Country Bear Jamboree	False	2009-07-13T19:14:03.000-04:00	2021-11-15T12:10:24.000-05:00	Country Bears	False
10	Dapper Dans	False	2010-07-07T18:47:38.000-04:00	2021-11-04T00:05:04.000-04:00	Dapper Dans	False

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Data about each day

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S
1	DATE	WDW_TIC	DAYOFWE	DAYOFYEA	WEEKOFYI	MONTHOI	YEAR	SEASON	HOLIDAYP	HOLIDAYN	HOLIDAYN	HOLIDAY	WDWTICK	WDWRace	WDWever	WDWever	WDWrace	WDWSEAS	WDWN
2	01/01/2015		5	0	0	1	2015	CHRISTMA	0	5	nyd	1				0	0	CHRISTMA	73.02
3	01/02/2015		6	1	0	1	2015	CHRISTMA	2	5		0				0	0	CHRISTMA	
4	01/03/2015		7	2	0	1	2015	CHRISTMA	3	0		0				0	0	CHRISTMA	83.12
5	01/04/2015		1	3	1	1	2015	CHRISTMA	4	0		0				0	0	CHRISTMA	83.93
6	01/05/2015		2	4	1	1	2015	CHRISTMA	5	0		0				0	0	CHRISTMA	72.3
7	01/06/2015		3	5	1	1	2015	CHRISTMA	6	0		0				0	0	CHRISTMA	77.67
8	01/07/2015		4	6	1	1	2015	CHRISTMA	7	0		0		marwk		0	1	CHRISTMA	67.24
9	01/08/2015		5	7	1	1	2015	CHRISTMA	8	0		0		marwk		0	1	CHRISTMA	59.44
10	01/09/2015		6	8	1	1	2015	CHRISTMA	9	0		0		marwk		0	1	CHRISTMA	54.89
11	01/10/2015		7	9	1	1	2015	WINTER	10	0		0		marwk		0	1	WINTER	67.16

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Locations of files

files	attractions	metadata	entities	HOLIDAYN Codes	Event Codes

1	https://cdn.touringplans.com/datasets/touringplans_data_dictionary.xlsx	this file
2	https://cdn.touringplans.com/datasets/metadata.csv	meta data
3	https://cdn.touringplans.com/datasets/entities.csv	attraction characteristics
4	https://cdn.touringplans.com/datasets/kilimanjaro_safaris.csv	attraction wait times

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Getting to know the data

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Information about the data

files | **attractions** | metadata | entities | HOLIDAYN Codes | Event Codes

	Variable_Name	Variable_Description	Format
1	Variable_Name	Variable_Description	Format
2	DATE	Park Day (not actual date stamp of the wait time, since some are after midnight)	MM/DD/YYY
3	DATETIME	date-time stamp of wait time	YYYY-MM-DD HH:MM:SS
4	SPOSTMIN	Standby Posted Wait Time (in minutes) *	numeric
5	SACTMIN	Actual Wait Time (in minutes)	numeric
6		* Value -999 indicates the attraction was closed	
7		Data does include outliers. Depending on your analysis you may want to	
8		eliminate some observations.	
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Information about the data

files | attractions | **metadata** | entities | HOLIDAYN Codes | Event Codes

	A	B	C	D
1	Variable Category	Variable Name	Variable Description	Format
2	Main Variables	DATE	Park Day (not actual date stamp of the wait time, since some are after midnight)	MM/DD/YYY
3	Pricing Variables	WDW_TICKET_SEASON	Walt Disney World Single Day Price Type	alphanumeric
4	Day Variables	DAYOFWEEK	Day of Week	numeric
5	Day Variables	DAYOFYEAR	Day of Year (0 to 365)	numeric
6	Day Variables	WEEKOFYEAR	Week of Year (0 to 53)	numeric

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Information about the data

| files | attractions | metadata | **entities** | HOLIDAYN Codes | Event Codes |

	A	B	C	D
1	**Variable Category**	**Variable Name**	**Variable Description**	**Format**
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Information on holidays

| files | attractions | metadata | entities | **HOLIDAYN Codes** | Event Codes |

	A	B
1	**HOLIDAYN**	**Holiday**
2	ash	Ash Wednesday
3	cdm	Cinco De Mayo
4	chv	Cesar Chavez Day
5	cmd	Christmas Day

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Information on events

files | **attractions** | metadata | entities | HOLIDAYN Codes | **Event Codes**

	A	B
1	Code	Event Name
2	carmst	Car Masters Weekend at Disney Springs
3	chp	A Celebration of Harry Potter
4	clubv	Club Villain
5	dah	Disney After Hours
6	dcafoh	Festival of Holidays
7	dcafw	Disney California Adventure Food & Wine Festival

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Getting to know the data: Waiting times

7_dwarfs_train.csv	13/03/2023 22:21	Microsoft Excel Com...	11.423 KB
alien_saucers.csv	13/03/2023 22:22	Microsoft Excel Com...	4.564 KB
ariel_s_grotto.csv	13/03/2023 22:14	Microsoft Excel Com...	1 KB
astro_orbiter.csv	13/03/2023 22:14	Microsoft Excel Com...	10.354 KB
barnstormer.csv	13/03/2023 22:15	Microsoft Excel Com...	10.777 KB
big_thunder_mtn.csv	13/03/2023 22:15	Microsoft Excel Com...	10.925 KB
buzz_lightyear.csv	13/03/2023 22:15	Microsoft Excel Com...	11.114 KB
carousel_of_progress.csv	13/03/2023 22:15	Microsoft Excel Com...	3.790 KB
casey_jr_splash.csv	13/03/2023 22:15	Microsoft Excel Com...	1 KB

	A	B	C	D
1	date	datetime	SACTMIN	SPOSTMIN
2	01/01/2015	01/01/2015 07:51		45
3	01/01/2015	01/01/2015 08:02		60
4	01/01/2015	01/01/2015 08:05	54	
5	01/01/2015	01/01/2015 08:09		60
6	01/01/2015	01/01/2015 08:16		60
7	01/01/2015	01/01/2015 08:22	55	

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