ForwardKeys

Forward Data S.L. Paseo Alameda, 48 B 1-2 46023 – Valencia (Spain)

P. +34 962 063 973 E. info@forwardkeys.com



Data layout

Actual Air Reservations



Introduction

This data layout provides an overview of ForwardKeys Actual Air Reservations dataset, and includes the values included, the relationships between them, origin and format.

Included in the layout are all columns available in the complete dataset, and they might vary depending on the licensed dataset format bought by the client.

About ForwardKeys | Predicting travellers' impact

ForwardKeys helps its clients measure and improve the effectiveness of their marketing & operations; anticipate the impact of events; and capitalise on future trends. Its data scientists do so by analysing an unparalleled amount of air travel information to produce valuable insights into the profile, behaviour and impact of past, present and future travellers. Sources include airline capacity plus over 17m booking transactions and 7m flight searches per day. Customers are brands, retailers, duty-free specialists, financial institutions, media agencies and travel marketeers worldwide.

About Actual Air Reservations

ForwardKeys receives air bookings made by 180 000 online, offline, and corporate travel agencies worldwide daily, showing new booking transactions, modifications and cancellations. These bookings are provided by the major global distribution systems (GDS's), including Amadeus, Sabre and TravelSky. It is often referred to as Marketing Information Data Tapes (MIDT) data.



List of Columns

			n O d tim - ti - m - mi - m		
•	poscity	•	pss3destinationregion	•	pss9destinationregion
•	poscountry	•	pss3destinationcountry	•	pss9destinationcountry
•	pnrcreationdate	•	pss3lengthofstay	•	pss9lengthofstay
•	bookingdate originterminal	•	pss4originterminal pss4originairport	•	pss10originterminal pss10originairport
	originairport	•	pss4originality		pss10originality
•	originally	•	pss4originregion	•	pss10originregion
•	originregion	•	pss4origincountry	•	pss10origincountry
•	origincountry	•	pss4destinationterminal	•	pss10destinationterminal
•	destinationterminal	•	pss4destinationairport	•	pss10destinationairport
•	destinationairport	•	pss4destinationcity	•	pss10destinationcity
•	destinationcity	•	pss4destinationregion	•	pss10destinationregion
•	destinationregion	•	pss4destinationcountry	•	pss10destinationcountry
•	destinationcountry	•	pss4lengthofstay	•	pss10lengthofstay
•	departuredate	•	pss5originterminal	•	pss11originterminal
•	departuretime	•	pss5originairport	•	pss11originairport
•	arrivaldate	•	pss5origincity	•	pss11origincity
•	arrivaltime	•	pss5originregion	•	pss11originregion
•	pooterminal	•	pss5origincountry	•	pss11origincountry
•	pooairport	•	pss5destinationterminal	•	pss11destinationterminal
•	poocity	•	pss5destinationairport	•	pss11destinationairport
•	pooregion	•	pss5destinationcity	•	pss11destinationcity
•	poocountry bookingsign	•	pss5destinationregion pss5destinationcountry	•	pss11destinationregion pss11destinationcountry
	paxprofile		pss5lengthofstay		pss11lengthofstay
•	lengthofstay	•	pss6originterminal	•	nss1originterminal
•	losname	•	pss6originairport	•	nss1originairport
•	rbkd	•	pss6original port	•	nss1origincity
•	cabinclassitinerary	•	pss6originregion	•	nss1originregion
•	cabinclass	•	pss6origincountry	•	nss1origincountry
•	distchannel	•	pss6destinationterminal	•	nss1destinationterminal
•	pax	•	pss6destinationairport	•	nss1destinationairport
•	numpss	•	pss6destinationcity	•	nss1destinationcity
•	numnss	•	pss6destinationregion	•	nss1destinationregion
•	nextsegmentdeparturedate	•	pss6destinationcountry	•	nss1destinationcountry
•	nextsegmentdeparturetime	•	pss6lengthofstay	•	nss1lengthofstay
•	pss1originterminal	•	pss7originterminal	•	nss2originterminal
•	pss1originairport	•	pss7originairport	•	nss2originairport
•	pss1origincity pss1originregion	•	pss7origincity pss7originregion	•	nss2origincity nss2originregion
•	pss1origincountry	•	pss7origincountry	•	nss2origincountry
•	pss1destinationterminal	•	pss7destinationterminal	•	nss2destinationterminal
•	pss1destinationairport	•	pss7destinationairport	•	nss2destinationairport
•	pss1destinationcity	•	pss7destinationcity	•	nss2destinationcity
•	pss1destinationregion	•	pss7destinationregion	•	nss2destinationregion
•	pss1destinationcountry	•	pss7destinationcountry	•	nss2destinationcountry
•	pss1lengthofstay	•	pss7lengthofstay	•	nss2lengthofstay
•	pss2originterminal	•	pss8originterminal	•	nss3originterminal
•	pss2originairport	•	pss8originairport	•	nss3originairport
•	pss2origincity	•	pss8origincity	•	nss3origincity
•	pss2originregion	•	pss8originregion	•	nss3originregion
•	pss2origincountry	•	pss8origincountry	•	nss3origincountry
•	pss2destinationterminal	•	pss8destinationterminal	•	nss3destinationterminal
•	pss2destinationairport	•	pss8destinationairport	•	nss3destinationairport
•	pss2destinationcity	•	pss8destinationcity pss8destinationregion	•	nss3destinationcity nss3destinationregion
•	pss2destinationregion pss2destinationcountry	•	pss8destinationcountry	•	nss3destinationcountry
•	pss2lengthofstay	•	pss8lengthofstay	•	nss3lengthofstay
•	pss3originterminal	•	pss9originterminal	•	nss4originterminal
•	pss3originairport	•	pss9originairport	•	nss4originairport
•	pss3origincity	•	pss9origincity	•	nss4origincity
•	pss3originregion	•	pss9originregion	•	nss4originregion
•	pss3origincountry	•	pss9origincountry	•	nss4origincountry
•	pss3destinationterminal	•	pss9destinationterminal	•	nss4destinationterminal
•	pss3destinationairport	•	pss9destinationairport	•	nss4destinationairport
•	pss3destinationcity	•	pss9destinationcity	•	nss4destinationcity



- nss4destinationregion
- nss4destinationcountry
- nss4lengthofstay
- nss5originterminal
- nss5originairport
- nss5origincity
- nss5originregion
- nss5origincountry
- nss5destinationterminal
- nss5destinationairport
- nss5destinationcity
- nss5destinationregion
- nss5destinationcountry
- nss5lengthofstay
- nss6originterminal
- nss6originairport
- nss6origincity
- nss6originregion
- nss6origincountry
- nss6destinationterminal
- nss6destinationairport
- nss6destinationcity
- nss6destinationregion
- nss6destinationcountry
- nss6lengthofstay
- nss7originterminal
- nss7originairport
- nss7origincity
- nss7originregion
- nss7origincountry
- nss7destinationterminal
- nss7destinationairport
- nss7destinationcity
- nss7destinationregion
- nss7destinationcountry
- nss7lengthofstay
- nss8originterminal
- nss8originairport
- nss8origincity
- nss8originregion
- nss8origincountry
- nss8destinationterminal
- nss8destinationairport
- nss8destinationcity
- nss8destinationregion nss8destinationcountry
- nss8lengthofstay
- nss9originterminal
- nss9originairport
- nss9origincity
- nss9originregion
- nss9origincountry nss9destinationterminal
- nss9destinationairport
- nss9destinationcity
- nss9destinationregion
- nss9destinationcountry
- nss9lengthofstay
- nss10originterminal
- nss10originairport
- nss10origincity nss10originregion
- nss10origincountry
- nss10destinationterminal
- nss10destinationairport
- nss10destinationcity
- nss10destinationregion nss10destinationcountry
- nss10lengthofstay
- nss11originterminal
- nss11originairport

- nss11origincity
- nss11originregion
- nss11origincountry
- nss11destinationterminal
- nss11destinationairport
- nss11destinationcity
- nss11destinationregion nss11destinationcountry
- nss11lengthofstay
- bookingyear
 - bookingmonth
- bookingday

Data layout

ColumnName	Type	Accept	Description	Example
		NULLS		
poscity	string	Υ	If known, the city code where the travel agency is based.	BHZ
poscountry	string	Υ	If known, the country code where the	BR
			travel agency is based.	
pnrcreationdate	date	N	The first transaction date of the booking.	2017-09-22
bookingdate	date	N	The last transaction date of the booking.	2017-09-25
			If this transaction is the initial booking,	
			pnrcreationdate and bookingdate will be	
			the same. If the booking has been	
			modified or cancelled, this will be the	
			date of the most recent change.	
originterminal	string	N	The flight's departure terminal.	00
originairport	string	N	The flight's departure airport.	OTP
origincity	string	N	The flight's departure city.	BUH
originregion	string	Υ	The flight's departure country region.	
origincountry	string	N	The flight's departure country.	RO
destinationterminal	string	N	The flight's arrival airport terminal.	00
destinationairport	string	N	The flight's arrival airport.	VIE
destinationcity	string	N	The flight's arrival city.	VIE
destinationregion	string	Y	The flight's arrival country region.	
destinationcountry	string	N	The flight's arrival country.	AT
departuredate	date	N	The local date of departure.	2017-11-08
departuretime	int	N	The local time of departure in minutes	1120
			(starting from 00.00h).	
arrivaldate	date	N	The local date of arrival.	2017-11-08
arrivaltime	int	N	The local time of arrival in minutes	1165
			(starting from 00.00h).	
pooterminal	string	N	The first terminal of departure of the full	00
			itinerary.	
pooairport	string	N	The first airport of departure of the full	CNF
			itinerary.	
poocity	string	N	The first city of departure of the full	BHZ
			itinerary.	
pooregion	string	Υ	The first country region of departure of	BR_MG
			the full itinerary.	
poocountry	string	N	The first country of departure of the full	BR
			itinerary.	
bookingsign	string	N	The transaction type that indicates new	D
			bookings, modifications or cancellations.	



paxprofile	string	N	The purpose of the trip according to the	BUSINESS
			ForwardKeys classification algorithm.	
lengthofstay	int	N	The number of days at the destination	0
			before the next flight in the itinerary. 0	
			indicates a return flight, end of trip,	
			transfer or stopover.	
losname	string	N	The category of the length of stay.	DWELLING_TRANSFER
rbkd	string	N	The booking class.	K
cabinclassitinerary	string	N	The highest cabin class code in the full	T
			itinerary.	
cabinclass	string	N	The cabin class code.	Т
distchannel	string	N	The type of travel agency: Online, Retail,	CORP
			Corporate or Others.	
pax	int	N	The number of passengers with the same	-1
			booking characteristics in one booking.	
numpss	int	N	The number of previous	3
			steps/stops/segments before the	
			analysed segment	
numnss	int	N	The number of next	
			steps/stops/segments after the analysed	
			segment	
nextsegmentdeparturedate	date	Y	The local date of departure of the second	4
			flight, if the itinerary contains multiple	
			flights.	
nextsegmentdeparturetime	int	Υ	The local time of departure of the second	
			flight, if the itinerary contains multiple	
			flights.	
pss1originterminal	string	Y	The departure terminal of the last	00
			previous flight in the complete itinerary.	
			The Pss data will be blank if the flight	
			from the "origin airport" to the "destination	
			airport" is the first flight on the itinerary.	
pss1originairport	string	Υ	If applicable, the departure airport of the	CNF
			last of the previous flights of the full	
			itinerary.	
pss1origincity	string	Υ	If applicable, the departure city of the last	BHZ
			of the previous flights of the full itinerary.	
pss1originregion	string	Υ	If applicable, the departure region of the	BR_MG
			last of the previous flights of the full	
			itinerary.	



pss1origincountry	string	Y	If applicable, the departure country of the	BR
			last of the previous flights of the full	
			itinerary.	
pss1destinationterminal	string	Y	The arrival terminal of the last previous	02
			flight in the complete itinerary. The Pss	
			data will be blank if the flight from the	
			"origin airport" to the "destination airport"	
			is the first flight on the itinerary.	
pss1destinationairport	string	Y	If applicable, the arrival airport of the last	GIG
			of the previous flights of the full itinerary.	
pss1destinationcity	string	Υ	If applicable, the arrival city of the last of	RIO
			the previous flights of the full itinerary.	
pss1destinationregion	string	Y	If applicable, the arrival region of the last	BR_RJ
			of the previous flights of the full itinerary.	
pss1destinationcountry	string	Y	If applicable, the arrival county of the last	BR
	-		of the previous flights of the full itinerary.	
pss1lengthofstay	string	Υ	The number of days at the Pss1	0
			destination before the next flight. 0	
			indicates a return flight, end of trip,	
			transfer or stopover.	
pss2originterminal	string	Y	The departure terminal of the second	02
	J		previous flight, counting in reverse order,	
			(-2), in the complete itinerary. The Pss	
			data will be blank if the flight from the	
			"origin airport" to the "destination airport"	
			is the first flight on the itinerary. It is	
			important to know that, if numpss=2, the	
			point of origin will be in pss2 columns. If	
			numpss=4, the point of origin will be in	
			pss4 columns	
pss2originairport	string	Y	<u> </u>	GIG
pss2origincity	string	Υ		RIO
pss2originregion	string	Υ		BR_RJ
pss2origincountry	string	Y		BR
pss2destinationterminal	string	Y		01
pss2destinationairport	string	Y		ATL
pss2destinationcity	string	Y		ATL
pss2destinationregion	string	Y		US_GA
pss2destinationcountry	string	Y		US
pss2lengthofstay	string	Y		1
pss3originterminal	string	Y		0S
pss3originairport	string	Y		ATL
passoriginaliport	Suniy	ı		AIL



pss3origincity	string	Y	ATL
pss3originregion	string	Υ	US_GA
pss3origincountry	string	Y	US
pss3destinationterminal	string	Υ	00
pss3destinationairport	string	Υ	MIA
pss3destinationcity	string	Υ	MIA
pss3destinationregion	string	Υ	US_FL
pss3destinationcountry	string	Υ	US
pss3lengthofstay	string	Υ	2
pss4originterminal	string	Υ	00
pss4originairport	string	Υ	MIA
pss4origincity	string	Y	MIA
pss4originregion	string	Υ	US_FL
pss4origincountry	string	Υ	US
pss4destinationterminal	string	Υ	0S
pss4destinationairport	string	Υ	ATL
pss4destinationcity	string	Υ	ATL
pss4destinationregion	string	Υ	US_GA
pss4destinationcountry	string	Y	US
pss4lengthofstay	string	Υ	0
pss5originterminal	string	Y	0S
pss5originairport	string	Υ	ATL
pss5origincity	string	Y	ATL
pss5originregion	string	Υ	US_GA
pss5origincountry	string	Υ	US
pss5destinationterminal	string	Y	EM
pss5destinationairport	string	Y	DTW
pss5destinationcity	string	Y	DTT
pss5destinationregion	string	Υ	US_MI
pss5destinationcountry	string	Y	US
pss5lengthofstay	string	Y	0
pss6originterminal	string	Y	00
pss6originairport	string	Υ	DTW
pss6origincity	string	Υ	DTT
pss6originregion	string	Υ	US_MI
pss6origincountry	string	Υ	US
pss6destinationterminal	string	Υ	01
pss6destinationairport	string	Υ	PVG
pss6destinationcity	string	Υ	SHA
pss6destinationregion	string	Υ	CNSAN
pss6destinationcountry	string	Υ	CN
pss6lengthofstay	string	Υ	3



pss7originterminal	string	Υ	01
pss7originairport	string	Υ	PVG
pss7origincity	string	Υ	SHA
pss7originregion	string	Υ	CNSAN
pss7origincountry	string	Υ	CN
pss7destinationterminal	string	Υ	01
pss7destinationairport	string	Υ	WEH
pss7destinationcity	string	Υ	WEH
pss7destinationregion	string	Υ	CNDON
pss7destinationcountry	string	Υ	CN
pss7lengthofstay	string	Υ	0
pss8originterminal	string	Υ	00
pss8originairport	string	Υ	WEH
pss8origincity	string	Υ	WEH
pss8originregion	string	Υ	CNDON
pss8origincountry	string	Υ	CN
pss8destinationterminal	string	Υ	00
pss8destinationairport	string	Υ	ICN
pss8destinationcity	string	Υ	SEL
pss8destinationregion	string	Υ	
pss8destinationcountry	string	Υ	KR
pss8lengthofstay	string	Υ	0
pss9originterminal	string	Υ	00
pss9originairport	string	Υ	ICN
pss9origincity	string	Υ	SEL
pss9originregion	string	Υ	
pss9origincountry	string	Υ	KR
pss9destinationterminal	string	Υ	2E
pss9destinationairport	string	Υ	CDG
pss9destinationcity	string	Υ	PAR
pss9destinationregion	string	Υ	FRILE
pss9destinationcountry	string	Υ	FR
pss9lengthofstay	string	Υ	0
pss10originterminal	string	Y	2D
pss10originairport	string	Υ	CDG
pss10origincity	string	Y	PAR
pss10originregion	string	Υ	FRILE
pss10origincountry	string	Υ	FR
pss10destinationterminal	string	Υ	00
pss10destinationairport	string	Υ	VIE
pss10destinationcity	string	Υ	VIE
pss10destinationregion	string	Υ	



pss10destinationcountry	string	Υ		AT
pss10lengthofstay	string	Y		3
pss11originterminal	string	Υ		00
pss11originairport	string	Y		VIE
pss11origincity	string	Y		VIE
pss11originregion	string	Y		
pss11origincountry	string	Y		AT
pss11destinationterminal	string	Y		00
pss11destinationairport	string	Υ		OTP
pss11destinationcity	string	Y		BUH
pss11destinationregion	string	Υ		
pss11destinationcountry	string	Υ		RO
pss11lengthofstay	string	Υ		2
nss1originterminal	string	Υ	The departure terminal of the first of next	00
			flights of the full itinerary. Nss data will be	
			blank in case the flight from "originairport"	
			to "destinationairport" is the last flight in	
			the itinerary.	
nss1originairport	string	Y	If applicable, the flight departure airport of	VIE
			the first of the next flights of the full	
			itinerary.	
nss1origincity	string	Y	If applicable, the flight departure city of	VIE
			the first of the next flights of the full	
			itinerary.	
nss1originregion	string	Y	If applicable, the flight departure country	
			region of the first of the next flights of the	
			full itinerary.	
nss1origincountry	string	Y	If applicable, the flight departure country	AT
			of the first of the next flights of the full	
			itinerary.	
nss1destinationterminal	string	Y	The arrival terminal of the first of next	00
			flights of the full itinerary. Nss data will be	
			blank in case the flight from "originairport"	
			to "destinationairport" is the last flight in	
			the itinerary.	
nss1destinationairport	string	Y	If applicable, the flight arrival airport of	BRU
			the first of the next flights of the full	
			itinerary.	
nss1destinationcity	string	Υ	If applicable, the flight arrival city of the	BRU
			first of the next flights of the full itinerary.	



nss1destinationregion	string	Υ	If applicable, the flight arrival country	
			region of the first of the next flights of the	
			full itinerary.	
nss1destinationcountry	string	Υ	If applicable, the flight arrival country of	BE
			the first of the next flights of the full	
			itinerary.	
nss1lengthofstay	string	Y	The number of days at the Nss1	2
			destination before the next flight. 0	
			indicates a return flight, end of trip,	
			transfer or stopover.	
nss2originterminal	string	Υ	The departure terminal of the second of	00
			next flights of the full itinerary. Nss data	
			will be blank in case the flight from	
			"originairport" to "destinationairport" is the	
			last flight in the itinerary.	
nss2originairport	string	Υ	If applicable, the flight departure airport of	BRU
			the first of the next flights of the full	
			itinerary.	
nss2origincity	string	Υ	If applicable, the flight departure city of	BRU
	the second of the next flights of the full	the second of the next flights of the full		
			itinerary.	
nss2originregion	string	Υ	If applicable, the flight departure country	
			region of the second of the next flights of	
			the full itinerary.	
nss2origincountry	string	Υ	If applicable, the flight departure country	BE
			of the second of the next flights of the full	
			itinerary.	
nss2destinationterminal	string	Υ	The arrival terminal of the second of next	2E
			flights of the full itinerary. Nss data will be	
			blank in case the flight from "originairport"	
			to "destinationairport" is the last flight in	
			the itinerary.	
nss2destinationairport	string	Υ	If applicable, the flight arrival airport of	CDG
			the second of the next flights of the full	
			itinerary.	
nss2destinationcity	estinationcity string Y If applicable, the flight arrival city of the	PAR		
			second of the next flights of the full	
			itinerary.	
nss2destinationregion	string	Υ	If applicable, the flight arrival country	FRILE
-	-		region of the second of the next flights of	



nss2destinationcountry string Y If applicable, the flight arrival country of the second of the next flights of the full itinerary. FR nss2lengthofstay string Y The number of days at the Nss2 2 destination before the next flight. 0 indicates a return flight, end of trip, 2	
itinerary. nss2lengthofstay string Y The number of days at the Nss2 2 destination before the next flight. 0	
nss2lengthofstay string Y The number of days at the Nss2 2 destination before the next flight. 0	
indicates a return flight, end of trip,	
transfer or stopover.	
nss3originterminal string Y 2E	
nss3originairport string Y CDG	
nss3origincity string Y PAR	
nss3originregion string Y FRILE	
nss3origincountry string Y FR	
nss3destinationterminal string Y 03	
nss3destinationairport string Y GRU	
nss3destinationcity string Y SAO	
nss3destinationregion string Y BR_SP	
nss3destinationcountry string Y BR	
nss3lengthofstay string Y 0	
nss4originterminal string Y 2	
nss4originairport string Y GRU	
nss4origincity string Y SAO	
nss4originregion string Y BR_SP	
nss4origincountry string Y BR	
nss4destinationterminal string Y 00	
nss4destinationairport string Y CNF	
nss4destinationcity string Y BHZ	
nss4destinationregion string Y BR_MG	
nss4destinationcountry string Y BR	
nss4lengthofstay string Y 0	
nss5originterminal string Y	
nss5originairport string Y	
nss5origincity string Y	
nss5originregion string Y	
nss5origincountry string Y	
nss5destinationterminal string Y	
nss5destinationairport string Y	
nss5destinationcity string Y	
nss5destinationregion string Y	
nss5destinationcountry string Y	
nss5lengthofstay string Y	
nss6originterminal string Y	
nss6originairport string Y	



nss6origincity	string	Υ
nss6originregion	string	Y
nss6origincountry	string	Y
nss6destinationterminal	string	Y
nss6destinationairport	string	Y
nss6destinationcity	string	Y
nss6destinationregion		Y
<u>-</u>	string	
nss6destinationcountry	string	Y
nss6lengthofstay	string	Y
nss7originterminal	string	Y
nss7originairport	string	Υ
nss7origincity	string	Υ
nss7originregion	string	Υ
nss7origincountry	string	Υ
nss7destinationterminal	string	Y
nss7destinationairport	string	Υ
nss7destinationcity	string	Υ
nss7destinationregion	string	Υ
nss7destinationcountry	string	Y
nss7lengthofstay	string	Υ
nss8originterminal	string	Υ
nss8originairport	string	Υ
nss8origincity	string	Υ
nss8originregion	string	Υ
nss8origincountry	string	Υ
nss8destinationterminal	string	Υ
nss8destinationairport	string	Υ
nss8destinationcity	string	Υ
nss8destinationregion	string	Y
nss8destinationcountry	string	Y
nss8lengthofstay	string	Y
nss9originterminal	string	Y
nss9originairport	string	Y
nss9origincity	string	Y
nss9originregion	string	Y
nss9origincountry	string	Y
nss9destinationterminal	string	Y
nss9destinationairport	string	Y
		Y
nss9destinationcity	string	
nss9destinationregion	string	Y
nss9destinationcountry	string	Y
nss9lengthofstay	string	Υ



nss10originterminal	string	Υ	
nss10originairport	string	Y	
• .		Y	
nss10origincity	string		
nss10originregion	string	Y	
nss10origincountry	string	Y	
nss10destinationterminal	string	Υ	
nss10destinationairport	string	Y	
nss10destinationcity	string	Υ	
nss10destinationregion	string	Y	
nss10destinationcountry	string	Y	
nss10lengthofstay	string	Y	
nss11originterminal	string	Y	
nss11originairport	string	Y	
nss11origincity	string	Y	
nss11originregion	string	Y	
nss11origincountry	string	Y	
nss11destinationterminal	string	Υ	
nss11destinationairport	string	Y	
nss11destinationcity	string	Y	
nss11destinationregion	string	Υ	
nss11destinationcountry	string	Y	
nss11lengthofstay	string	Y	
bookingyear	string	N	2017
bookingmonth	string	N	9
bookingday	string	N	20170925