

# Air Cargo Traffic Data Analysis



001|NYC|12345678

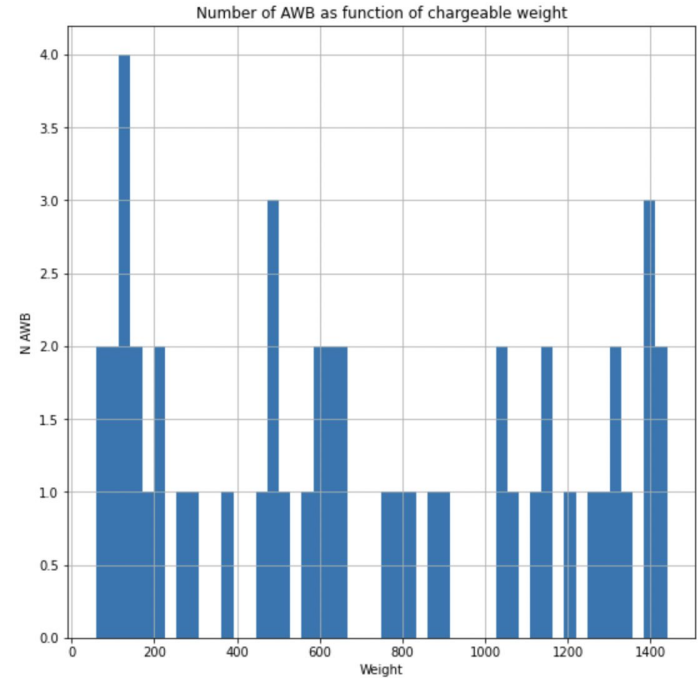
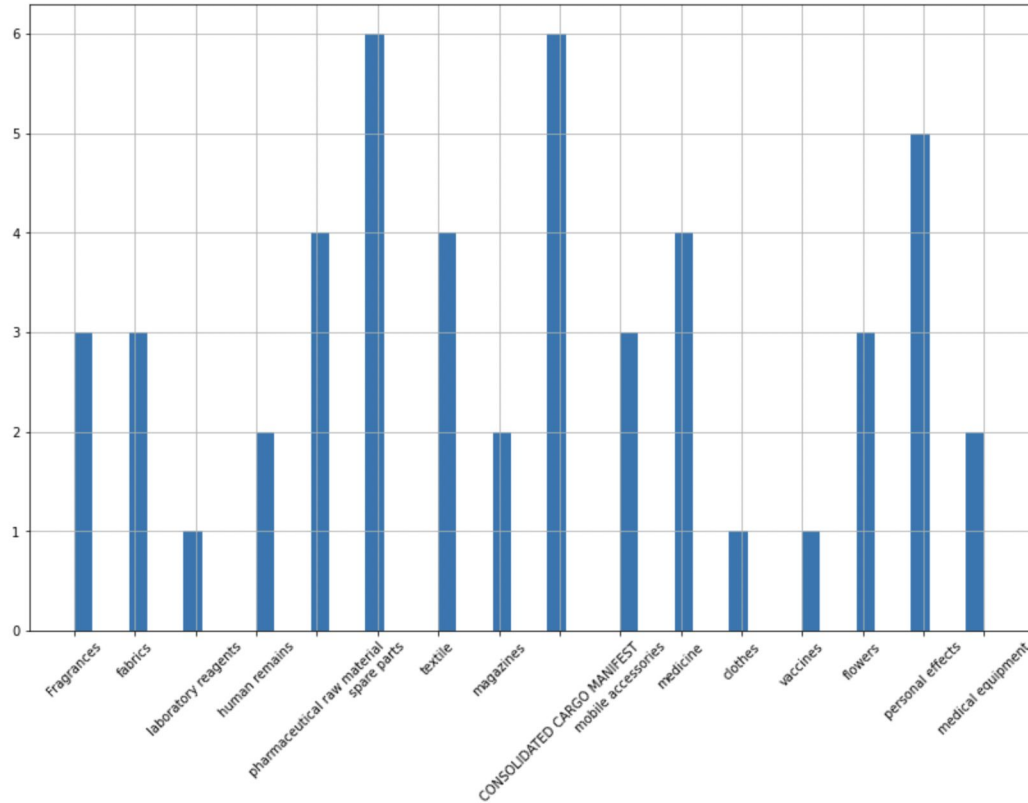
001-12345678

Shipper's Name and Address CABLE AND STEEL COMPANY 1234, INDUSTRIAL STREET NEW YORK, USA PHONE: 555 55 55		Shipper's Account Number		Not Negotiable <b>Air Waybill</b> P.O. BOX 619616 D/FW AIRPORT, TEXAS U.S.A. Issued by	
Consignee's Name and Address CABLE BIG STORE 4321, ROGERS STREET LONDON, ENGLAND PHONE: 555 12 34		Consignee's Account Number		Copies 1, 2 and 3 of this Air Waybill are originals and have the same validity.  It is agreed that the goods described herein are accepted in apparent good order and condition (except as noted for damage) SUBJECT TO THE CONDITIONS OF CONTRACT ON THE REVERSE HEREOF. ALL GOODS MAY BE CARRIED BY ANY OTHER MEANS INCLUDING ROAD OR ANY OTHER CARRIER UNLESS SPECIFIC CONTRARY INSTRUCTIONS ARE GIVEN HEREON BY THE SHIPPER, AND SHIPPER AGREES THAT THE SHIPMENT MAY BE CARRIED VIA INTERMEDIATE STOPPING PLACES WHICH THE CARRIER DEEMS APPROPRIATE. THE SHIPPER'S ATTENTION IS DRAWN TO THE NOTICE CONCERNING CARRIER'S LIMITATION OF LIABILITY. Shipper may increase such limitation of liability by declaring a higher value for carriage and paying a supplemental charge if required.	
Issuing Carrier's Agent Name and City BOND STUFF FORWARDERS QUEEN STREET 7 LONDON, ENGLAND PHONE: 555 55 12		Accounting Information NOTIFY: SOMEBODY, PH: 555 55 34			
Agent's IATA Code 11-1 0000		Account No.			
Airport of Departure (Addr. of First Carrier) and Requested Routing NEW YORK CITY		Reference Number		Optional Shipping Information	
To	By First Carrier	Routing and Destination	Is	By	Is
AA					
Airport of Destination HEATHROW		Requested Flight/Date AA1234/12		Amount of Insurance INSURANCE - If carrier offers insurance, and such insurance is required in accordance with the conditions thereof, software amount to be insured in figures in box marked "Amount of Insurance".	
Handling Information					
These commodities, technology or software were exported from the United States in accordance with the Export Administration Regulations. Ultimate Destination					
No. of Pieces	Gross Weight	Net Weight	Chargeable Weight	Rate	Charge
2	324.00				
Total				1234.00	
Measure and Quantity of Goods (Unit, Dimensions or Volume)				SOME ITEMS	
No. of Pieces				Gross Weight	
2				324.00	
Total				1234.00	
Prepaid		Weight Charge		Collect	
		1234.00			
		Valuation Charge			
		Tax			
Total Other Charges Due Agent					
Total Other Charges Due Carrier					
Total Prepaid		Total Collect		Signature of Shipper or its Agent	
1234.00					
Currency Conversion Rates		CC Charges in Host Currency			
For Carrier's use only at Destination		Charges at Destination		Executed on (date) at (place) Signature of Issuing Carrier or its Agent	
				ORIGINAL 1 001-12345678 (FOR ISSUING CARRIER)	

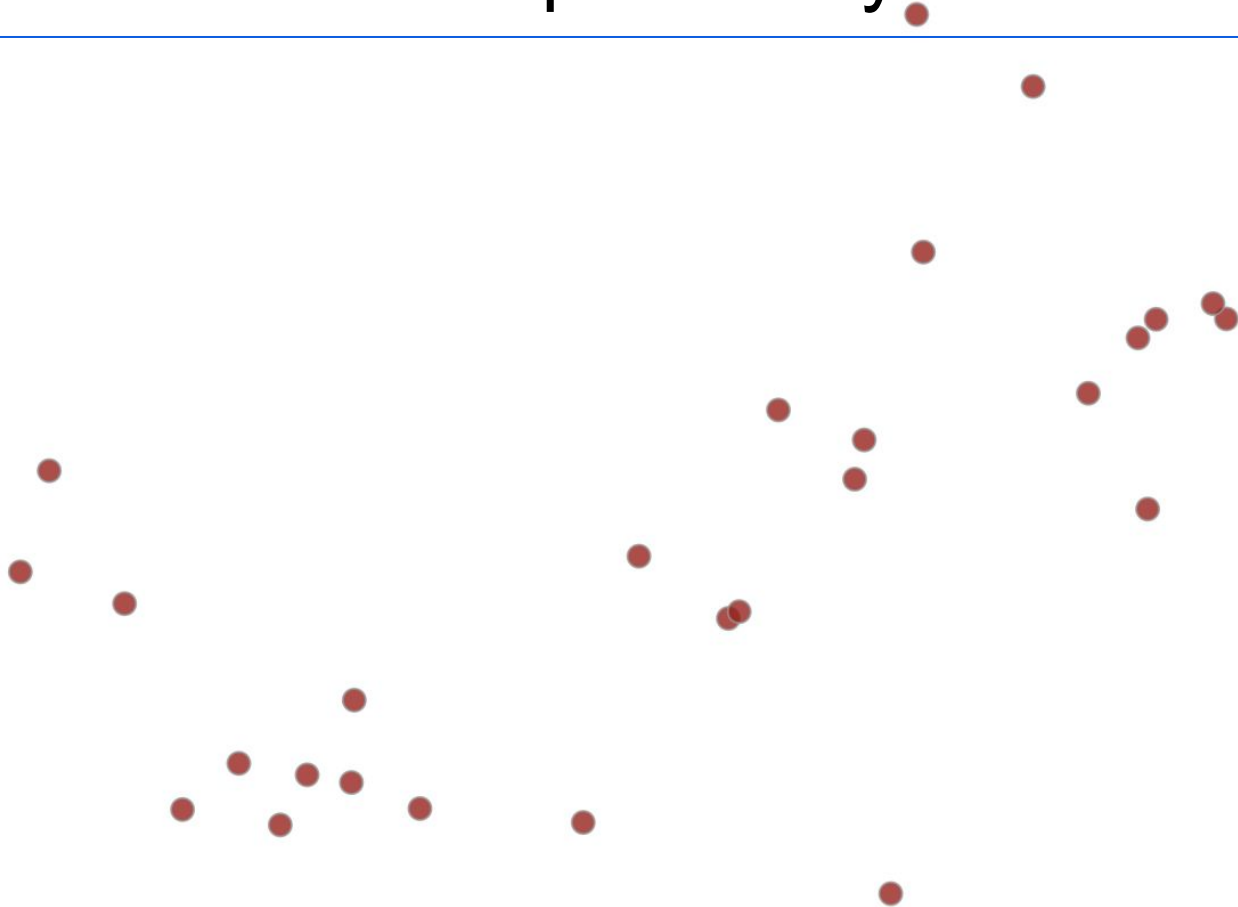
# Data sources

	AWB prefix	AWB no	Shipper	Consignee	Airport of Departure	Dep Lat	Dep Lon	Airport of Destination	Des Lat	Des Lon	Connection Airport	Con Lat	Con Lon	Departure Date	Destination Date
0	624	62368674	NaN	NaN	SVO	55.972778	37.414722	DOH	25.273056	37.414722	SAW	40.898333	29.309167	2022-10-21	2022-10-21
1	235	59463079	NaN	NaN	KWI	29.226667	47.980000	IKA	35.416111	47.980000	IST	41.262222	28.727778	2022-10-12	2022-10-12
2	057	37590395	NaN	NaN	IKA	35.416111	51.152222	CAI	30.121944	51.152222	CDG	49.010000	2.548611	2022-10-04	2022-10-04
3	057	91598928	NaN	NaN	SAW	40.898333	29.309167	ADE	12.829444	29.309167	CDG	49.010000	2.548611	2022-10-18	2022-10-19
4	076	10079677	NaN	NaN	ATH	37.936389	23.947222	AMS	52.300000	23.947222	BEY	33.821111	35.488333	2022-10-08	2022-10-08
5	624	10193170	NaN	NaN	CDG	49.010000	2.548611	CAI	30.121944	2.548611	SAW	40.898333	29.309167	2022-10-01	2022-10-01
6	615	20735371	NaN	NaN	DXB	25.252778	55.364444	CAI	30.121944	55.364444	LEJ	51.423889	12.236389	2022-10-13	2022-10-13
7	615	71448643	NaN	NaN	BAH	26.270833	50.633611	IKA	35.416111	50.633611	LEJ	51.423889	12.236389	2022-10-21	2022-10-22
8	125	48364110	NaN	NaN	BEY	33.821111	35.488333	AUH	24.433056	35.488333	LHR	51.477500	-0.461389	2022-10-02	2022-10-02
9	077	56882205	NaN	NaN	SVO	55.972778	37.414722	IKA	35.416111	37.414722	CAI	30.121944	31.405556	2022-10-25	2022-10-25
10	172	80619073	NaN	NaN	DOH	25.273056	51.608056	LHR	51.477500	51.608056	LUX	49.623333	6.204444	2022-10-20	2022-10-21
11	096	53694303	NaN	NaN	LEJ	51.423889	12.236389	AMM	31.722500	12.236389	IKA	35.416111	51.152222	2022-10-08	2022-10-09
12	512	76098885	NaN	NaN	SAW	40.898333	29.309167	SVO	55.972778	29.309167	AMM	31.722500	35.993333	2022-10-17	2022-10-17
13	172	44557400	NaN	NaN	WAW	52.165833	20.967222	CDG	49.010000	20.967222	LUX	49.623333	6.204444	2022-10-03	2022-10-03
14	390	51151453	NaN	NaN	SAW	40.898333	29.309167	CDG	49.010000	29.309167	ATH	37.936389	23.947222	2022-10-21	2022-10-21
15	607	61487904	NaN	NaN	AUH	24.433056	54.651111	CAI	30.121944	54.651111	AUH	24.433056	54.651111	2022-10-17	2022-10-17

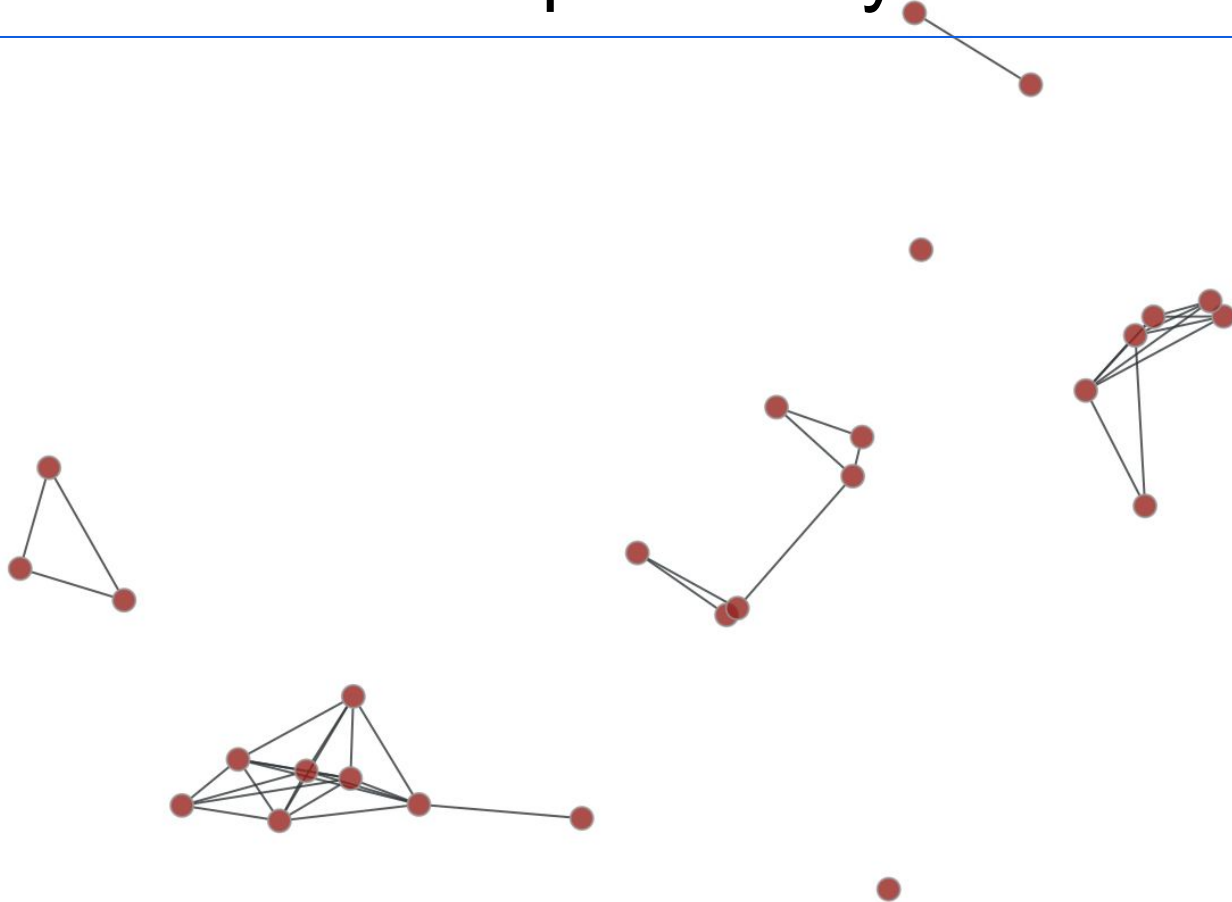
# Classical Analysis



# Graph Theory



# Graph Theory





# Topology in galaxy distribution

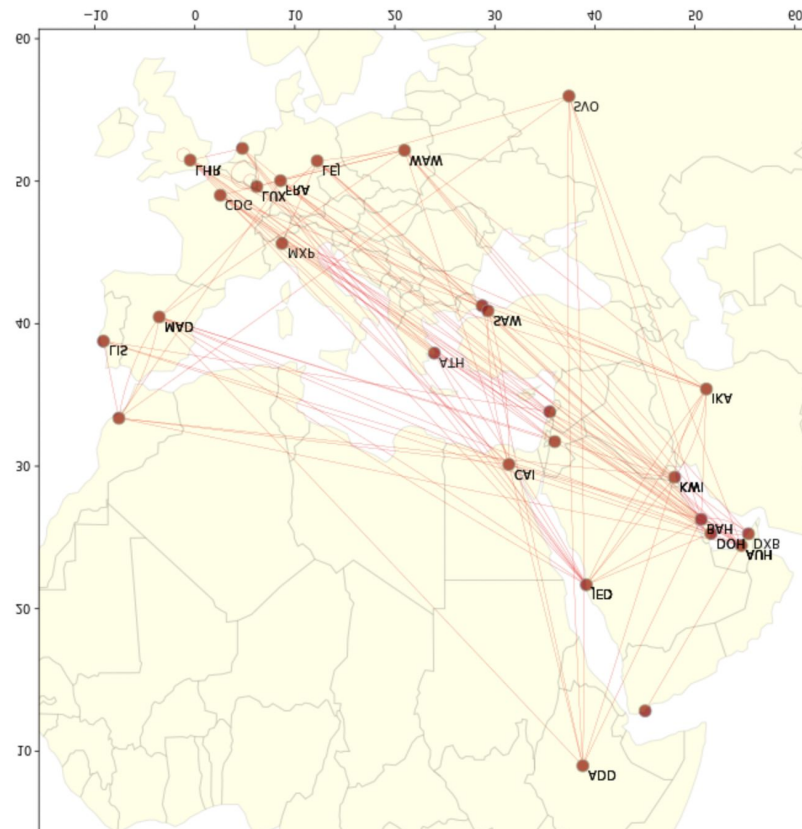


$\Lambda$ CDM



$f(R)$

# Air cargo traffic



Thank You