

Data Verb Activity #1

Data Science @
Winona State University

Goal

Obtain a list of locations that sell snowshoes on a Sunday near Winona, MN. The list should be ordered by distance and near Winona is defined to be locations whose area code is 507 or 608.

Instructions

1. Provide the student a copy of each table. The tables should be laid out in sequential order.
2. Provide the student with a cutout of each data verb.
3. The student should consider the features of each table and identify the appropriate data verb for each transition between tables.

Discussion Points

1. Does FILTER() influence the number of rows or columns?
2. Does SELECT() influence the number of rows or columns?
3. Adventure Cycle & Ski is right here in Winona, but this business was not included in the final table. Why?
4. Identify a second ordering of these tables that will yield the same outcome.

Table 0

Name	Address	Phone	Distance (miles)	Open Sundays	Rating	Notes
Wild River Ski Rental & Sales	39797 Park Trail, Center City, MN 55012	651-257-0685	115.68	Yes		
Fitzharris Ski, Bike, and Outdoor	105 7th Ave S, St Cloud, MN 56301	320-251-2844	161.88	No	4.7	
Welch Village	26685 County 7 Blvd, Welch, MN 55089	651-258-4567	64.55	Yes (Dec-Mar only)	4.5	Rental Only
Dunham's Sports	140 Tyler Rd N, Red Wing, MN 55066	651-388-1402	59.12	Yes	4.1	
Scheels	1850 Adams St Suite 6, Mankato, MN 56001	507-386-7767	115.22	Yes	4.5	
Cabela's	3900 Cabela Dr NW, Owatonna, MN 55060	507-451-4545	80.14	Yes	4.4	
Tyrol Ski & Sports	1923 2nd St SW, Rochester, MN 55902	507-288-1683	42.34	No	4.6	
Scheels	1220 12th St SW, Rochester, MN 55902	507-281-2444	41.75	Yes	4.6	
Myre-Big Island State Park	19499 780th Ave, Albert Lea, MN 56007	507-668-7060	87.85	Yes	4.5	Rental Only
Dunham's Sports	2500 Bridge Ave, Albert Lea, MN 56007	507-369-1444	89.17	Yes	4.1	
Whitewater State Park	19041 MN-74, Altura, MN 55910	507-312-2300	20.17	Yes	4.8	Rental Only
Brone's Bike Shop	615 S Main St #35, Fountain City, WI 54629	608-687-8601	6.26	No	4.9	
Adventure Cycle & Ski	178 Center St, Winona, MN 55987	507-452-4228	0.43	No	4.9	
Outdoor Connection	1601 Farwell St, La Crosse, WI 54601	608-785-8860	25.88	Yes	4.8	Rental Only
Island Outdoors	1330 Bainbridge St, La Crosse, WI 54603	608-782-5562	23.64	Yes	4.8	
Redfeather Snowshoes	2700 Commerce St, La Crosse, WI 54603	800-525-0081	24.37	No	5	
Dick's Sporting Goods	4400 WI-16, La Crosse, WI 54650	608-406-3684	25.46	Yes	3.7	
Decorah Bicycles	101 College Dr, Decorah, IA 52101	563-382-8209	51.88	Yes	5	
CrawDaddy Outdoors	207 E Bremer Ave, Waverly, IA 50677	319-352-9129	100.33	No	4.7	
Hoigaard's	5425 Excelsior Blvd, St Louis Park, MN 55416	952-929-1351	104.01	Yes	3.9	
Midwest Mountaineering	309 Cedar Ave, Minneapolis, MN 55454	612-339-3433	101.74	Yes	4.7	
REI	1955 County Rd B2 W Schneiderman's Plaza,	651-635-0211	101.35	Yes	4.5	
ERIK'S Bike Board Ski	1278 Town Centre Dr Ste 170, Eagan, MN 55123	651-209-6046	92.54	Yes	4.1	
Gear West Ski and Bike	1786 Wayzata Blvd, Long Lake, MN 55356	952-473-0377	115.08	Yes	4.6	
Play It Again Sports	1256 Town Centre Dr, Eagan, MN 55123	651-730-9093	92.46	Yes	4.3	

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Fitzharris Ski, Bike, and Outdoor	105 7th Ave S, St Cloud, MN 56301	320-251-2844	161.88	No	4.7	
Dunham's Sports	140 Tyler Rd N, Red Wing, MN 55066	651-388-1402	59.12	Yes	4.1	
Scheels	1850 Adams St Suite 6, Mankato, MN 56001	507-386-7767	115.22	Yes	4.5	
Cabela's	3900 Cabela Dr NW, Owatonna, MN 55060	507-451-4545	80.14	Yes	4.4	
Tyrol Ski & Sports	1923 2nd St SW, Rochester, MN 55902	507-288-1683	42.34	No	4.6	
Scheels	1220 12th St SW, Rochester, MN 55902	507-281-2444	41.75	Yes	4.6	
Dunham's Sports	2500 Bridge Ave, Albert Lea, MN 56007	507-369-1444	89.17	Yes	4.1	
Brone's Bike Shop	615 S Main St #35, Fountain City, WI 54629	608-687-8601	6.26	No	4.9	
Adventure Cycle & Ski	178 Center St, Winona, MN 55987	507-452-4228	0.43	No	4.9	
Island Outdoors	1330 Bainbridge St, La Crosse, WI 54603	608-782-5562	23.64	Yes	4.8	
Redfeather Snowshoes	2700 Commerce St, La Crosse, WI 54603	800-525-0081	24.37	No	5	
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Decorah Bicycles	101 College Dr, Decorah, IA 52101	563-382-8209	51.88	Yes	5	
CrawDaddy Outdoors	207 E Bremer Ave, Waverly, IA 50677	319-352-9129	100.33	No	4.7	
Hoigaard's	5425 Excelsior Blvd, St Louis Park, MN 55416	952-929-1351	104.01	Yes	3.9	
Midwest Mountaineering	309 Cedar Ave, Minneapolis, MN 55454	612-339-3433	101.74	Yes	4.7	
REI	1955 County Rd B2 W Schneiderman's Plaza,	651-635-0211	101.35	Yes	4.5	
ERIK'S Bike Board Ski	1278 Town Centre Dr Ste 170, Eagan, MN 55123	651-209-6046	92.54	Yes	4.1	
Gear West Ski and Bike	1786 Wayzata Blvd, Long Lake, MN 55356	952-473-0377	115.08	Yes	4.6	
Play It Again Sports	1256 Town Centre Dr, Eagan, MN 55123	651-730-9093	92.46	Yes	4.3	

Table 2

Name	Address	Phone	Distance (miles)	Open Sundays	Rating	Notes
Wild River Ski Rental & Sales	39797 Park Trail, Center City, MN 55012	651-257-0685	115.68	Yes		
Dunham's Sports	140 Tyler Rd N, Red Wing, MN 55066	651-388-1402	59.12	Yes	4.1	
Scheels	1850 Adams St Suite 6, Mankato, MN 56001	507-386-7767	115.22	Yes	4.5	
Cabela's	3900 Cabela Dr NW, Owatonna, MN 55060	507-451-4545	80.14	Yes	4.4	
Scheels	1220 12th St SW, Rochester, MN 55902	507-281-2444	41.75	Yes	4.6	
Dunham's Sports	2500 Bridge Ave, Albert Lea, MN 56007	507-369-1444	89.17	Yes	4.1	
Island Outdoors	1330 Bainbridge St, La Crosse, WI 54603	608-782-5562	23.64	Yes	4.8	
Dick's Sporting Goods	4400 WI-16, La Crosse, WI 54650	608-406-3684	25.46	Yes	3.7	
Decorah Bicycles	101 College Dr, Decorah, IA 52101	563-382-8209	51.88	Yes	5	
Hoigaard's	5425 Excelsior Blvd, St Louis Park, MN 55416	952-929-1351	104.01	Yes	3.9	
Midwest Mountaineering	309 Cedar Ave, Minneapolis, MN 55454	612-339-3433	101.74	Yes	4.7	
REI	1955 County Rd B2 W Schneiderman's Plaza,	651-635-0211	101.35	Yes	4.5	
ERIK'S Bike Board Ski	1278 Town Centre Dr Ste 170, Eagan, MN 55123	651-209-6046	92.54	Yes	4.1	
Gear West Ski and Bike	1786 Wayzata Blvd, Long Lake, MN 55356	952-473-0377	115.08	Yes	4.6	
Play It Again Sports	1256 Town Centre Dr, Eagan, MN 55123	651-730-9093	92.46	Yes	4.3	

Table 3

Name	Address	Phone	Distance (miles)	Rating
Wild River Ski Rental & Sales	39797 Park Trail, Center City, MN 55012	651-257-0685	115.68	
Dunham's Sports	140 Tyler Rd N, Red Wing, MN 55066	651-388-1402	59.12	4.1
Scheels	1850 Adams St Suite 6, Mankato, MN 56001	507-386-7767	115.22	4.5
Cabela's	3900 Cabela Dr NW, Owatonna, MN 55060	507-451-4545	80.14	4.4
Scheels	1220 12th St SW, Rochester, MN 55902	507-281-2444	41.75	4.6
Dunham's Sports	2500 Bridge Ave, Albert Lea, MN 56007	507-369-1444	89.17	4.1
Island Outdoors	1330 Bainbridge St, La Crosse, WI 54603	608-782-5562	23.64	4.8
Dick's Sporting Goods	4400 WI-16, La Crosse, WI 54650	608-406-3684	25.46	3.7
Decorah Bicycles	101 College Dr, Decorah, IA 52101	563-382-8209	51.88	5
Hoigaard's	5425 Excelsior Blvd, St Louis Park, MN 55416	952-929-1351	104.01	3.9
Midwest Mountaineering	309 Cedar Ave, Minneapolis, MN 55454	612-339-3433	101.74	4.7
REI	1955 County Rd B2 W Schneiderman's Plaza,	651-635-0211	101.35	4.5
ERIK'S Bike Board Ski	1278 Town Centre Dr Ste 170, Eagan, MN 55123	651-209-6046	92.54	4.1
Gear West Ski and Bike	1786 Wayzata Blvd, Long Lake, MN 55356	952-473-0377	115.08	4.6
Play It Again Sports	1256 Town Centre Dr, Eagan, MN 55123	651-730-9093	92.46	4.3

Table 4					
Name	Address	Phone	Area Code	Distance (miles)	Rating
Wild River Ski Rental & Sales	39797 Park Trail, Center City, MN 55012	651-257-0685	651	115.68	
Dunham's Sports	140 Tyler Rd N, Red Wing, MN 55066	651-388-1402	651	59.12	4.1
Scheels	1850 Adams St Suite 6, Mankato, MN 56001	507-386-7767	507	115.22	4.5
Cabela's	3900 Cabela Dr NW, Owatonna, MN 55060	507-451-4545	507	80.14	4.4
Scheels	1220 12th St SW, Rochester, MN 55902	507-281-2444	507	41.75	4.6
Dunham's Sports	2500 Bridge Ave, Albert Lea, MN 56007	507-369-1444	507	89.17	4.1
Island Outdoors	1330 Bainbridge St, La Crosse, WI 54603	608-782-5562	608	23.64	4.8
Dick's Sporting Goods	4400 WI-16, La Crosse, WI 54650	608-406-3684	608	25.46	3.7
Decorah Bicycles	101 College Dr, Decorah, IA 52101	563-382-8209	563	51.88	5
Hoigaard's	5425 Excelsior Blvd, St Louis Park, MN 55416	952-929-1351	952	104.01	3.9
Midwest Mountaineering	309 Cedar Ave, Minneapolis, MN 55454	612-339-3433	612	101.74	4.7
REI	1955 County Rd B2 W Schneiderman's Plaza,	651-635-0211	651	101.35	4.5
ERIK'S Bike Board Ski	1278 Town Centre Dr Ste 170, Eagan, MN 551	651-209-6046	651	92.54	4.1
Gear West Ski and Bike	1786 Wayzata Blvd, Long Lake, MN 55356	952-473-0377	952	115.08	4.6
Play It Again Sports	1256 Town Centre Dr, Eagan, MN 55123	651-730-9093	651	92.46	4.3

Table 5					
Name	Address	Phone	Area Code	Distance (miles)	Rating
Scheels	1850 Adams St Suite 6, Mankato, MN 56001	507-386-7767	507	115.22	4.5
Cabela's	3900 Cabela Dr NW, Owatonna, MN 55060	507-451-4545	507	80.14	4.4
Scheels	1220 12th St SW, Rochester, MN 55902	507-281-2444	507	41.75	4.6
Dunham's Sports	2500 Bridge Ave, Albert Lea, MN 56007	507-369-1444	507	89.17	4.1
Island Outdoors	1330 Bainbridge St, La Crosse, WI 54603	608-782-5562	608	23.64	4.8
Dick's Sporting Goods	4400 WI-16, La Crosse, WI 54650	608-406-3684	608	25.46	3.7

Table 6					
Name	Address	Phone	Area Code	Distance (miles)	Rating
Island Outdoors	1330 Bainbridge St, La Crosse, WI 54603	608-782-5562	608	23.64	4.8
Dick's Sporting Goods	4400 WI-16, La Crosse, WI 54650	608-406-3684	608	25.46	3.7
Scheels	1220 12th St SW, Rochester, MN 55902	507-281-2444	507	41.75	4.6
Cabela's	3900 Cabela Dr NW, Owatonna, MN 55060	507-451-4545	507	80.14	4.4
Dunham's Sports	2500 Bridge Ave, Albert Lea, MN 56007	507-369-1444	507	89.17	4.1
Scheels	1850 Adams St Suite 6, Mankato, MN 56001	507-386-7767	507	115.22	4.5

Table 7		
Name	Address	Phone
Island Outdoors	1330 Bainbridge St, La Crosse, WI 54603	608-782-5562
Dick's Sporting Goods	4400 WI-16, La Crosse, WI 54650	608-406-3684
Scheels	1220 12th St SW, Rochester, MN 55902	507-281-2444
Cabela's	3900 Cabela Dr NW, Owatonna, MN 55060	507-451-4545
Dunham's Sports	2500 Bridge Ave, Albert Lea, MN 56007	507-369-1444
Scheels	1850 Adams St Suite 6, Mankato, MN 56001	507-386-7767

