

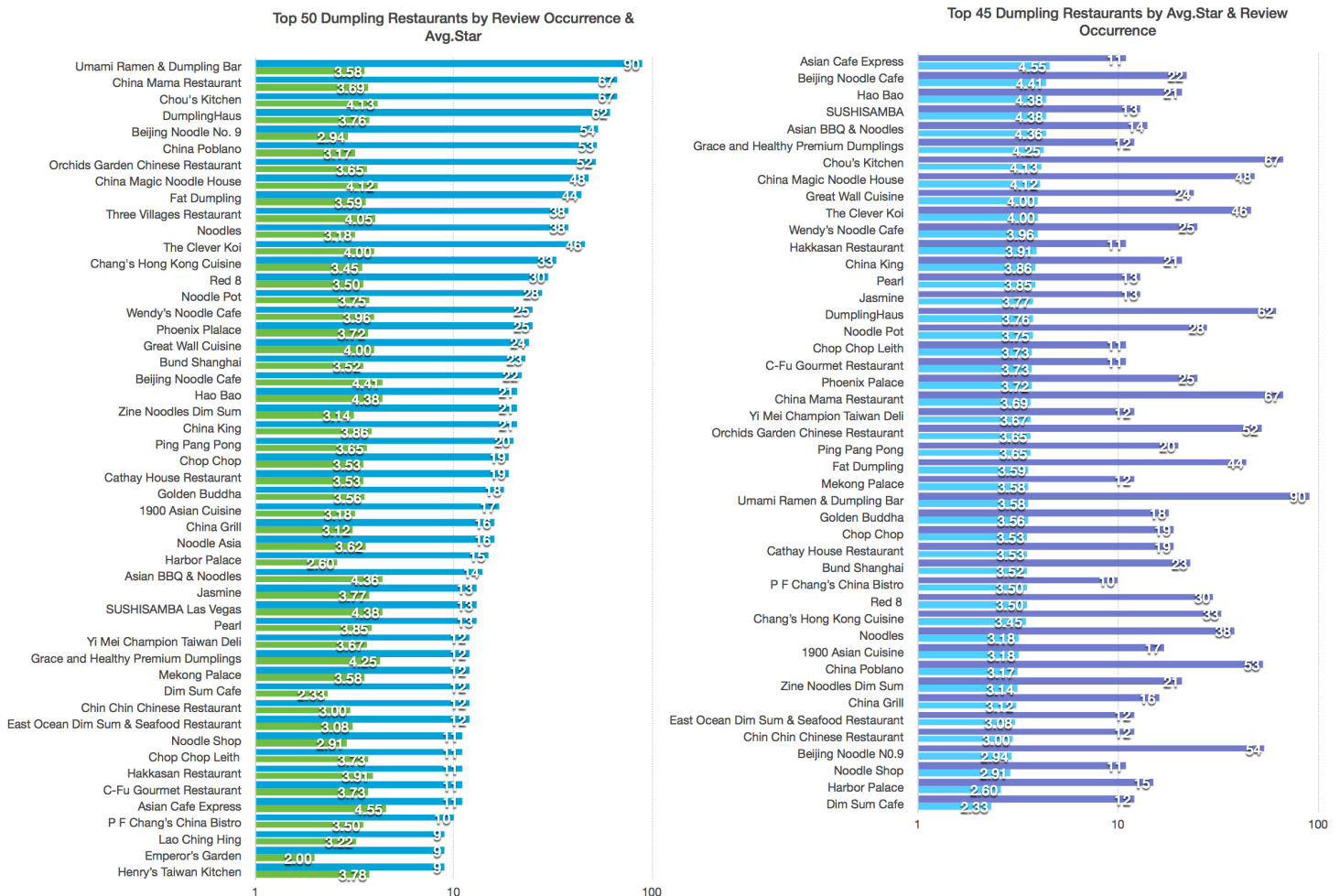
Task 5 Restaurant Recommendation Report

Objective

Recommend good restaurants to those who would like to try one or more dishes in a cuisine. Given a particular dish, the general idea of solving this problem is to assess whether a restaurant is good for this dish based on whether the reviews of a candidate restaurant have included many positive (and very few negative) comments about the dish.

Detail

I used the keyword “dumpling” to filter out related reviews of each restaurants, then classify them by occurrence and average star. Below are the total restaurants ranking according to review occurrence and average star separately.



In the left graph, the first criteria is occurrence, the axis uses logarithmic format to reduce the gap caused by sharp value difference. As discussed in task4, occurrence does not reflect the quality of dishes since it lacks the detail rating of dishes and review's attitude.

In the right graph, the first criteria is average star, and I eliminate some restaurants whose review occurrence is less than 10 (that's why there are only top 45), since such kind of review frequency may not be able to reflect the real situation.

From the above two graph, we can find that some restaurants receive lots of feedbacks about dumpling while at the same time provide high quality food according to their average star.

Thus combining the review occurrence and average star, we are sure that restaurants like “Asian Cafe Express”, “Beijing Noodle Cafe” and “Hao Bao” are really good at delicious dumplings. Actually, for dish recommendation, I think restaurants with more than 15 reviews and with average star at least 3.50 could be the candidate for dumpling recommendation.

Moreover, recommendation by occurrence and average star is not enough because all these information are based on the whole dataset, which ignores one important factor: location. Imagine how useless it would be if the system recommends a restaurant in New York while the user is looking for restaurants in Log Angeles.

Therefore, I take address into consideration and classify above restaurants by address. (** means recommended, ** means strongly recommended*)

Restaurant	Avg.Star	Rev.Occurrence	Address
Cool Jade Chinese Restaurant	5.00	1	Edinburgh EH12 7AU,3-4 Downie Terrace
Rainbow Arch Restaurant	5.00	1	Edinburgh EH3 8BJ,8-16a Morrison Street West End
<i>Stack Dim Sum Bar *</i>	4.25	4	Edinburgh EH6 8RG,42 Dalmeny Street Leith
Wing Sing Inn	4.00	1	Edinburgh EH11 1BP,147 Dundee St
Yum Yum HK Diner	4.00	1	Edinburgh EH8 9EF,13 W Richmond St Newington
Happiness	4.00	1	Edinburgh EH8 9PY,34 W Preston Street Newington
<i>Chop Chop Leith **</i>	3.73	11	Edinburgh EH6 6LX,76 Commercial Street Leith
<i>Chop Chop **</i>	3.53	19	Edinburgh EH3 8DT,248 Morrison Street West End
<i>Saigon Saigon *</i>	3.50	6	Edinburgh EH2 2AZ,14 S St Andrew St New Town
Hong Fu Noodle	3.00	2	Edinburgh EH1 3BG,3-7 Waterloo Pl
Wok & Wine	3.00	1	Edinburgh EH2 1LH,57a Frederick Street New Town
Loon Fung	1.00	1	Edinburgh EH3 5LE,2 Warriston Pl Stockbridge

This graph shows the restaurant which serves dumpling in Edinburgh, the restaurants are ranked by average star.

From this graph, I would like to recommend “Stack Dim Sum Bar”, “Chop Chop Leith”, “Chop Chop” and “Saigon Saigon” for people in Edinburgh who would like to try dumpling.

Dumpling Restaurant in WI

Restaurant	Avg.Star	Rev.Occurrence	Address
Main Moon Chinese Restaurant	5.00	1	4850 Larson Beach Rd Mc Farland, WI 53558
Panda Garden	5.00	2	922 Windsor St Sun Prairie, WI 53590
Magic Wok	5.00	1	2044 Atwood Ave Schenk - Atwood Madison, WI 53704
Chang Jiang Restaurant	5.00	1	5710 Raymond Rd Meadowood Madison, WI 53711
VIP	4.50	2	6718-6722 Odana Rd Madison, WI 53719
Double 10 *	4.43	7	3306 A University Ave Madison, WI 53705
Flaming Wok *	4.20	5	4237 Lien Rd Ste H Mayfair Park Madison, WI 53704
Orient House *	4.20	5	626 S Park St Greenbush Madison, WI 53715
Red Pepper	4.00	1	1019 N Gammon Rd Middleton, WI 53562
Grand China Restaurant	4.00	1	2608 Allen Blvd Middleton, WI 53562
House of Mei	4.00	1	120 E Main St Sun Prairie, WI 53590
Asian Kitchen	4.00	1	449 State St Capitol Madison, WI 53703
QQ Asian Buffet	4.00	1	1291 N Sherman Ave Madison, WI 53704
China Wok	4.00	4	1724 Fordem Ave Madison, WI 53704
Imperial Garden Chinese Restaurant	4.00	1	4214 E Washington Ave Norman Acres Madison, WI 53704
China Star	4.00	1	515 Junction Rd Junction Ridge Madison, WI 53717
China One West	4.00	1	518 Grand Canyon Dr Madison, WI 53719
DumplingHaus **	3.76	62	702 N Midvale Blvd Madison, WI 53705
Wah Kee Wonton Noodle *	3.62	8	600 Williamson St Ste E Williamson - Marquette Madison, WI 53703
Umami Ramen & Dumpling Bar **	3.58	90	923 Williamson St Williamson - Marquette Madison, WI 53703
Happy Wok	3.50	2	2409 W Broadway Monona, WI 53713
Ichiban Sichuan	3.40	5	610 S Park St Greenbush Madison, WI 53715
Fugu	3.33	3	411 W Gilman St Capital Madison, WI 53703
Hong Kong Wok	3.00	1	702 N Midvale Blvd Ste 120 Madison, WI 53705
Asian House	3.00	1	1 Dempsey Rd Ste 3 Eastmorland Madison, WI 53714
Tai's Asian Bistro	2.33	3	638 S Whitney Way Madison, WI 53719
Orient Express	2.00	1	1901 Cayuga St Middleton, WI 53562
P F Chang's China Bistro	2.00	1	2237 Deming Way Middleton, WI 53562
Lee's Garden	2.00	1	7475 Mineral Point Rd Madison, WI 53717
Chang Jiang	1.00	1	984 W Main St Sun Prairie, WI 53590
Taste of China	1.00	1	5415 Monona Dr Monona, WI 53716

From above graph, “Double 10”, “Flaming Wok”, “Orient House”, “DumplingHaus”, “Wah Kee Wonton Noodle” and “Umami Ramen & Dumpling Bar” are the good candidates for people live in WI.

Dumpling Restaurants in AZ

Restaurant	Avg.Star	Rev.Occurrence	Address
	5.00	1	20329 N 59th Ave Glendale,AZ 85308
Abacus Inn Chinese Restaurant-Arrowhead	5.00	1	20329 N 59th Ave Glendale,AZ 85308
Mr Chao's Asian Bistro	5.00	2	4232 E Chandler Blvd Ste 4 Phoenix,AZ 85048
Wokee Express	5.00	1	745 N Gilbert Rd Ste 112 Gilbert,AZ 85234
Hao	5.00	1	11849 N Saguaro Blvd Fountain Hills,AZ 85268
Great Wok	5.00	1	3646 E Ray Rd Ste 12 Phoenix,AZ 85044
Dragon Bowl	5.00	1	814 E Union Hills Dr Ste C-14 Phoenix,AZ 85024
P F Chang's China Bistro	5.00	1	2420 W Happy Valley Rd Norterra Phoenix,AZ 85085
New Asian Star	5.00	1	2755 S 99th Ave Ste 102 Tolleson,AZ 85353
Szechuan Cuisine	5.00	2	5865 W Ray Rd Chandler,AZ 85226
Autumn Court Chinese Restaurant	5.00	1	3752 E Indian School Rd Phoenix,AZ 85018
Grace Garden	5.00	1	4331 E Baseline Rd Gilbert,AZ 85234
Asian Island	5.00	1	14870 N Northsight Blvd Ste 103 Scottsdale,AZ 85260
Miu's Cuisine	5.00	1	2314 E Apache Blvd Tempe,AZ 85281
Yin's Chinese Resturant	5.00	1	1950 W Indian School Road Phoenix,AZ 85015
Mu Shu Asian Grill	5.00	1	1502 W Thomas Rd Phoenix,AZ 85015
Empire Bistro	5.00	1	7641 E Guadalupe Rd Mesa,AZ 85212
Tien Wong Hot Pot	5.00	3	2330 N Alma School Rd Ste 118 Chandler,AZ 85224
Chen's Chinese Bistro	5.00	1	5341 S Superstition Mountain Dr Gold Canyon,AZ 85218
Great Wall Chinese Restaurant	5.00	1	6832 S Kings Ranch Rd Ste 1 Gold Canyon,AZ 85118
Mister Wong	5.00	2	10627 N 19th Ave Phoenix,AZ 85029
Simi's Cafe	5.00	2	2401 E Baseline Rd Ste 118 Gilbert,AZ 85234
Lotus Garden	5.00	2	183 W Apache Trl Ste 104 Apache Junction,AZ 85120
Sun Asian Kitchen	4.67	3	2070 E Baseline Rd Ste D112 Phoenix,AZ 85073
Szechwan Palace	4.67	6	2386 N Alma School Rd Chandler,AZ 85224
<i>Asian Cafe Express **</i>	4.55	11	1911 W Main St Ste 3 Mesa,AZ 85201
China Chef	4.50	2	85 W Combs Rd Ste 110 Queen Creek,AZ 85240
Chef Ben Sushi & Asian Express	4.50	2	13824 W McDowell Rd Goodyear,AZ 85395
Joyful Chinese Dining	4.50	2	9699 N Hayden Rd Scottsdale,AZ 85258
Shangri-La Chinese	4.50	2	2855 W Cactus Rd Phoenix,AZ 85029
P F Chang's China Bistro	4.50	2	Kierland Commons 7132 E Greenway Pkwy Scottsdale,AZ 85254
China Wok	4.50	2	2334 N Scottsdale Rd Scottsdale,AZ 85257
<i>Hao Bao **</i>	4.38	21	Phoenix,AZ
Dragon Palace	4.33	3	13825 N 32nd St Phoenix,AZ 85032
<i>Chou's Kitchen **</i>	4.13	67	910 N Alma School Rd Chandler,AZ 85224
<i>China Magic Noodle House **</i>	4.12	48	2015 N Dobson Rd Chandler,AZ 85224
Little Peking	4.00	1	10608 N 32nd St Phoenix,AZ 85028
China City Super Buffet	4.00	1	18885 N Reems Rd Ste 101 Surprise,AZ 85374
Nee House Chinese Restaurant	4.00	1	13843 N Tatum Blvd Ste 15 Phoenix,AZ 85032
Hong Kong Gourmet Buffet	4.00	1	4909 E Chandler Blvd Phoenix,AZ 85048
Pei Wei Asian Diner	4.00	1	1825 Guadalupe Suite F-112 Tempe,AZ 85283
Beijing Express	4.00	1	219 E Baseline Rd Ste H-2 Tempe,AZ 85283
Tasty House Chinese Restaurant	4.00	1	1512 W Bell Rd Ste 7 Phoenix,AZ 85023
Jade Star	4.00	1	10050 W Bell Rd Ste 8 Sun City,AZ 85351
Tottie's Asian Fusion	4.00	1	6204 N Scottsdale Rd Ste 106 Paradise Valley,AZ 85253
Yao Fine Chinese Cuisine	4.00	1	2487 S Gilbert Rd Ste 102 Gilbert,AZ 85295
Szechwan Garden	4.00	1	5055 W Ray Rd Ste 1 Chandler,AZ 85226
Chen Wok Express	4.00	1	8115 N 19th Ave Phoenix,AZ 85021
Iron Chef	4.00	2	23706 S Power Rd Queen Creek,AZ 85242
Golden Canyon Oriental	4.00	1	1133 S Dobson Rd Mesa,AZ 85202
Beijing Chinese Cuisine	4.00	1	14270 W Indian School Rd Ste C1 Goodyear,AZ 85395
Pho Chandler	4.00	1	4055 S Arizona Ave Ste 8 Chandler,AZ 85248
Pei Wei Asian Diner	4.00	1	20851 N Scottsdale Rd. Suite 105 Scottsdale,AZ 85255
Wing Hing	4.00	1	7420 W Cactus Rd Peoria,AZ 85381

Again, for restaurants in AZ, “Asian Cafe Express”, “Hao Bao”, “Chou’s Kitchen”, “China Magic Noodle House” are better choices.

Dumpling Restaurants in NV

Restaurant	Avg.Star	Rev.Occurrence	Address
Thai Style Noodle House 2	5.00	1	5135 S Fort Apache Ave Ste 125 Spring Valley Las Vegas,NV 89148
Great Bao	5.00	1	Las Vegas,NV 89103
Satay Thai Bistro & Bar	5.00	3	3900 Paradise Rd Ste N Eastside Las Vegas,NV 89169
Bobo China	5.00	1	8465 W Sahara Ave Westside Las Vegas,NV 89117
Empress Court	5.00	1	3570 Las Vegas Blvd The Strip Las Vegas,NV 89109
China One	5.00	1	11710 W Charleston Blvd Ste 140 Summerlin Las Vegas,NV 89138
Mah Jong	5.00	1	Rio Hotel and Casino 3700 W Flamingo Rd Las Vegas,NV 89103
Veggie House	5.00	3	5115 Spring Mountain Rd Ste 203 Chinatown Las Vegas,NV 89146
Baidu China Bistro	5.00	2	7625 S Rainbow Blvd Ste 100 Southwest Las Vegas,NV 89139
Beijing Chinese Cuisine	5.00	2	9255 S Eastern Ave Ste 330-4 Southeast Las Vegas,NV 89123
<i>Beijing Noodle Cafe **</i>	4.41	22	4130 S Sandhill Rd Eastside Las Vegas,NV 89121
<i>SUSHISAMBA Las Vegas **</i>	4.38	13	The Palazzo 3327 Las Vegas Blvd S The Strip Las Vegas,NV 89109
<i>Asian BBQ & Noodles **</i>	4.36	14	3400 S Jones Blvd Ste 5C Chinatown Las Vegas,NV 89146
Pho Kim Long	4.33	3	4029 Spring Mountain Rd Chinatown Las Vegas,NV 89102
Fu Restaurant	4.25	4	4455 Paradise Rd Eastside Las Vegas,NV 89169
<i>Three Villages Restaurant **</i>	4.05	38	5115 W Spring Mountain Rd Chinatown Las Vegas,NV 89103
World Noodle	4.00	3	4355 Spring Mountain Rd Ste 101 Chinatown Las Vegas,NV 89102
Bangkok 9 Thai-Chinese Food	4.00	2	663 N Stephanie St Henderson,NV 89014
A & K Chinese Restaurant	4.00	1	5600 Spring Mountain Rd Ste B Chinatown Las Vegas,NV 89146
Diamond Chinese Restaurant	4.00	1	3449 Industrial Rd Las Vegas,NV 89109
P F Chang's China Bistro	4.00	6	1095 S Rampart Blvd Westside Las Vegas,NV 89145
Chopstix	4.00	1	2381 E Windmill Ln Southeast Las Vegas,NV 89123
China Joe's	4.00	1	720 S Boulder Hwy Henderson,NV 89015
China Gourmet	4.00	1	9002 W Sahara Ave Ste A Westside Las Vegas,NV 89117
HK Star	4.00	3	3400 S Jones Blvd Ste # 15 Chinatown Las Vegas,NV 89146
Pearl Wok To Go	4.00	1	8550 W Charleston Blvd Ste 100 Westside Las Vegas,NV 89117
Koji Restaurant	4.00	1	4500 W Tropicana Ave Las Vegas,NV 89103
Noodle Exchange	4.00	1	Gold Coast 4000 W Flamingo Rd Las Vegas,NV 89103
Dumpling King	4.00	5	5740 Spring Mountain Rd Chinatown Las Vegas,NV 89146
Chop Chop Wok	4.00	1	6812 W Cheyenne Ave Northwest Las Vegas,NV 89108
Long Life Vege Restaurant	4.00	1	4130 S Sandhill Rd Ste A4 Eastside Las Vegas,NV 89121
Dong Ting Spring	4.00	1	4850 W Flamingo Rd Ste 34-34 Las Vegas,NV 89103
Lotus Garden Cuisine	4.00	1	6435 S Rainbow Blvd Spring Valley Las Vegas,NV 89118
Fortunes	4.00	1	4321 W Flamingo Rd Inside the Palms Casino Resort Las Vegas,NV 89103
Buffet at Asia	4.00	1	4090 S Eastern Ave Eastside Las Vegas,NV 89119
Golden Dragon Chinese Cuisine	4.00	2	6120 W Tropicana Ave Las Vegas,NV 89103
China A GoGo	4.00	2	7435 S Durango Dr Ste 105 Southwest Las Vegas,NV 89113
Long Jin Chinese Cuisine	4.00	3	4825 S Rainbow Blvd Ste 204-205 Spring Valley Las Vegas,NV 89103
Gourmet Wok	4.00	1	7638 Westcliff Dr Westside Las Vegas,NV 89145
China Tango	4.00	1	1500 N Green Valley Pkwy Henderson,NV 89074
Pei Wei Asian Diner	4.00	1	1311 W Sunset Rd Suite 120 Henderson,NV 89014
China One	4.00	1	7080 N Durango Dr Ste 130 Centennial Las Vegas,NV 89149

China One	4.00	1	7000 N Durango Dr Ste 100 Centennial Las Vegas,NV 89149
Jade At the Palazzo	4.00	2	3339 Las Vegas Blvd S The Strip Las Vegas,NV 89109
Dragon House	4.00	2	4180 S Jones Blvd Ste 1-2 Las Vegas,NV 89103
Wendy's Noodle Cafe *	3.96	25	3401 S Jones Blvd Chinatown Las Vegas,NV 89146
Hakkasan Restaurant *	3.91	11	MGM Grand 3799 Las Vegas Blvd S The Strip Las Vegas,NV 89109
Pearl *	3.85	13	MGM Grand Hotel and Casino 3799 Las Vegas Blvd S Eastside Las Vegas,NV 89109
Fat Choy	3.80	5	Eureka Casino 595 E Sahara Ave Eastside Las Vegas,NV 89104
Jasmine *	3.77	13	Bellagio Resort &Casino 3600 S Las Vegas Blvd The Strip Las Vegas,NV 89109
Little Buddha Restaurant & Sushi Bar	3.75	8	The Palms Casino Resort 4321 W Flamingo Rd Las Vegas,NV 89103
Noodle Pot *	3.75	28	4215 Spring Mountain Rd Ste B112 Chinatown Las Vegas,NV 89102
Buffet Asia	3.75	4	2380 S Rainbow Blvd Westside Las Vegas,NV 89146
Noodle Palace	3.71	7	5115 Spring Mountain Rd Ste 203 Chinatown Las Vegas,NV 89146
China Mama Restaurant *	3.69	67	3420 S Jones Blvd Chinatown Las Vegas,NV 89136
P F Chang's China Bistro	3.67	6	The District 101 S Green Valley Pkwy Anthem Henderson,NV 89012
Yi Mei Champion Taiwan Deli *	3.67	12	3435 S Jones Blvd Chinatown Las Vegas,NV 89146
Ping Pang Pong *	3.65	20	4000 W Flamingo Rd 4000 W Flamingo Rd Las Vegas,NV 89103
Orchids Garden Chinese Restaurant *	3.65	52	5485 W Sahara Ave Westside Las Vegas,NV 89146
Noodle Asia *	3.62	16	The Venetian 3355 Las Vegas Blvd S The Strip Las Vegas,NV 89109
Blossom	3.60	5	Aria Resort and Casino 3735 Las Vegas Blvd S The Strip Las Vegas,NV 89109
Fat Dumpling *	3.59	44	3959 W Spring Mountain Rd Chinatown Las Vegas,NV 89109
Cathay House Restaurant *	3.53	19	5300 Spring Mountain Rd Ste 107 Chinatown Las Vegas,NV 89146
Bund Shanghai *	3.52	23	3545 S Decatur Blvd Ste A Chinatown Las Vegas,NV 89103
P F Chang's China Bistro *	3.50	10	Planet Hollywood Resort & Casino 3667 Las Vegas Blvd The Strip Las Vegas,NV 89109
New York Chinese Restaurant	3.50	2	9430 W Lake Mead Blvd Ste 1 Summerlin Las Vegas,NV 89134
Red 8 *	3.50	30	3131 Las Vegas Blvd S The Strip Las Vegas,NV 89109
Red Mansion	3.50	2	Downtown Grand Casino and Hotel 206 N 3rd St Las Vegas,NV 89101
Mr. Beijing	3.50	2	730 E Flamingo Rd Ste 8 Eastside Las Vegas,NV 89119
Spicy City	3.50	2	4215 Spring Mountain Rd B205 Westside Las Vegas,NV 89102
Big Wong Restaurant	3.50	2	5040 Spring Mountain Rd Chinatown Las Vegas,NV 89146
P F Chang's China Bistro	3.50	4	4165 S Paradise Rd Eastside Las Vegas,NV 89109
Buffet @ Asia	3.50	4	9901 Eastern Ave Ste 110 Southeast Las Vegas,NV 89183
Chang's Hong Kong Cuisine	3.45	33	4670 S Decatur Blvd Las Vegas,NV 89103
Cafe Noodle & Chinese Barbeque	3.40	5	4355 Spring Mountain Rd Chinatown Las Vegas,NV 89102
Little Dumpling	3.40	5	180 S Stephanie St Henderson,NV 89012
Ginseng 3	3.33	6	3535 Las Vegas Blvd The Strip Las Vegas,NV 89109
Joyful House Chinese Cuisine	3.25	4	4601 Spring Mountain Rd Chinatown Las Vegas,NV 89102
Pan Asian	3.20	5	2980 S Durango Dr Ste 101 Westside Las Vegas,NV 89117
Noodles	3.18	38	Bellagio Resort &Casino 3600 S Las Vegas Blvd The Strip Las Vegas,NV 89109
1900 Asian Cuisine	3.18	17	5115 Spring Mountain Rd Ste 103 Chinatown Las Vegas,NV 89146
China Poblano	3.17	53	3708 Las Vegas Blvd S The Strip Las Vegas,NV 89109
Zine Noodles Dim Sum	3.14	21	The Palazzo 3325 Las Vegas Blvd S The Strip Las Vegas,NV 89109
China Grill	3.12	16	Mandalay Bay Hotel and Casino 3950 Las Vegas Blvd S The Strip Las Vegas,NV 89119
East Ocean Dim Sum & Seafood Restaurant	3.08	12	9570 S Eastern Ave Southeast Henderson,NV 89123
Dragon Noodle Co.	3.00	2	Monte Carlo Resort & Casino 3770 Las Vegas Blvd S The Strip Las Vegas,NV 89109
New York Chinese Restaurant	3.00	3	655 S Green Valley Pkwy Ste 140 Henderson,NV 89052
Chopstix Express	3.00	1	2625 S Decatur Blvd Westside Las Vegas,NV 89102

Little Dumpling	3.00	1	6430 Sky Pointe Dr Centennial Las Vegas,NV 89131
Pick Up Stix	3.00	1	2101 N Rainbow Blvd Las Vegas,NV 89108
Thai House Restaurant	3.00	1	9850 S Maryland Pkwy Ste 17 Southeast Las Vegas,NV 89123
Chin Chin Chinese Restaurant	3.00	12	New York New York Hotel 3790 Las Vegas Blvd S Eastside Las Vegas,NV 89109
Hue Thai	3.00	1	5115 Spring Mountain Rd Ste 223 Chinatown Las Vegas,NV 89146
KJ Kitchen	3.00	1	5960 Spring Mountain Rd Chinatown Las Vegas,NV 89146
Sam Woo BBQ Restaurant	3.00	2	4215 Spring Mountain Rd Ste B101 Chinatown Las Vegas,NV 89102
New Shanghai Restaurant	3.00	3	4215 Spring Mountain Road #B205 Chinatown Las Vegas,NV 89102
Jasmine Express	3.00	1	5546 Camino Al Norte North Las Vegas,NV 89031
Little Dumpling Chinese & Thai Cuisine	3.00	3	6572 N Decatur Blvd Ste 120 Las Vegas,NV 89131
Little Dumpling	3.00	1	9340 W Flamingo Rd Spring Valley Las Vegas,NV 89147
Beijing Noodle No. 9	2.94	54	Caesars Palace 3570 Las Vegas Blvd S The Strip Las Vegas,NV 89109
Noodle Shop	2.91	11	Mandalay Bay Resort & Casino 3950 S Las Vegas Boulevard The Strip Las Vegas,NV 89109
Harbor Palace Seafood Restaurant	2.67	3	4275 Spring Mountain Rd Chinatown Las Vegas,NV 89102
Harbor Palace	2.60	15	4275 Spring Mountain Rd Chinatown Las Vegas,NV 89102
Yunnan Garden	2.50	2	3934 Schiff Dr Chinatown Las Vegas,NV 89103
New York Chinese Restaurant	2.50	2	3555 S Fort Apache Rd Spring Valley Las Vegas,NV 89147
Krazy Buffet	2.50	2	8095 W Sahara Ave Westside Las Vegas,NV 89117
Little Macau	2.50	2	3939 Spring Mountain Rd Chinatown Las Vegas,NV 89102
Dim Sum Cafe	2.33	12	3700 S Hualapai Way Ste 101 South Summerlin Las Vegas,NV 89147
Gata Thai Cuisine	2.00	1	35 S Gibson Rd Henderson,NV 89012
Champion Gourmet	2.00	1	5115 Spring Mountain Rd Chinatown Las Vegas,NV 89146
Emperor's Garden	2.00	9	4215 Spring Mountain Rd Ste B203 Chinatown Las Vegas,NV 89102
China Ginger	2.00	1	5035 S Fort Apache Rd Spring Valley Las Vegas,NV 89148
Cathay House	2.00	1	4321 West Flamingo Rd Las Vegas,NV 89103
Ports O Call Buffet	2.00	1	4000 W Flamingo Rd Las Vegas,NV 89103
Shan Dong Chinese Restaurant	2.00	1	3419 S Jones Blvd Chinatown Las Vegas,NV 89146
Dumpling And Noodle house	2.00	1	3743 Las Vegas Boulevard S The Strip Las Vegas,NV 89109
Ming's Table	1.00	1	Harrah's Las Vegas 3475 Las Vegas Blvd S The Strip Las Vegas,NV 89109

Above graph shows all the restaurants in NV which serve dumpling, this graph could clearly tell us that some restaurants are superb such as “Beijing Noodle Cafe”, “Three Villages Restaurants”, etc. Some restaurants are not so good although there are many reviews for their dumpling dish, such as “Beijing Noodle No.9”

Conclusion

From above graphs and analysis, there are several things deserve to be highlighted:

1. Occurrence could be a good indicator of popularity, however sometimes it should combine with average star when making recommendations, only those with a certain amount of reviews as well as comparatively high rating should be recommended to customers.

2. Location should also be an important factor for recommendation, especially when people trying to get something worth trying nearby instead of giving some out-of-scope recommendations. For instance, from location based analysis, we can find out some good restaurants for people in specific state.