# Name.csv

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| d1 | Levenshtein | Needleman-Wunch | Smith-Waterman | Jaro-Winkler | Soundex | Cosine-Similarity | TF/IDF |
| 'arnie morton\'s of chicago' | 'arnie morton\'s of chicago' | 'arnie morton\'s of chicago' | 'arnie morton\'s of chicago' | 'arnie morton\'s of chicago' | 'arnie morton\'s of chicago' | 'arnie morton\'s of chicago' | 'arnie morton\'s of chicago' |
| 'art\'s deli' | 'brent\'s deli' | 'brent\'s deli' | 'art\'s delicatessen' | 'art\'s delicatessen' | 'art\'s delicatessen' | 'art\'s delicatessen' | 'art\'s delicatessen' |
| 'bel-air hotel' | 'empire korea' | 'belvedere the' | ct | 'belvedere the' | 'bertolini\'s' | 'golden nugget hotel' | 'hotel bel-air' |
| 'cafe bizou' | 'cafe bizou' | 'cafe bizou' | 'cafe bizou' | 'cafe bizou' | 'cafe bizou' | 'cafe bizou' | 'cafe bizou' |
| campanile | campanile | campanile | campanile | campanile | campanile | campanile | campanile |
| 'chinois on main' | 'chinois on main' | 'chinois on main' | 'chinois on main' | 'chinois on main' | 'chinois on main' | 'chinois on main' | 'chinois on main' |
| citrus | citrus | citrus | citrus | citrus | citrus | citrus | citrus |
| 'fenix at the argyle' | 'alon\'s at the terrace' | 'alon\'s at the terrace' | fenix | 'feast from the east' | fenix | 'alon\'s at the terrace' | 'alon\'s at the terrace' |
| granita | granita | granita | granita | granita | granita | granita | granita |
| 'grill the' | 'grill on the alley' | 'bistro the' | 'grill on the alley' | 'grill on the alley' | granita | 'belvedere the' | 'grill on the alley' |
| katsu | eats | match | 'restaurant katsu' | kamogawa | 'katia\'s' | 'arnie morton\'s of chicago' | 'restaurant katsu' |
| 'l\'orangerie' | 'l\'orangerie' | 'l\'orangerie' | 'l\'orangerie' | 'l\'orangerie' | 'l\'orangerie' | 'l\'orangerie' | 'l\'orangerie' |
| 'le chardonnay (los angeles)' | 'michael\'s (los angeles)' | 'michael\'s (los angeles)' | 'le chardonnay' | 'le chardonnay' | 'le chardonnay' | 'michael\'s (los angeles)' | 'le chardonnay' |
| 'locanda veneta' | 'locanda veneta' | 'locanda veneta' | 'locanda veneta' | 'locanda veneta' | 'locanda veneta' | 'locanda veneta' | 'locanda veneta' |
| matsuhisa | matsuhisa | matsuhisa | matsuhisa | matsuhisa | matsuhisa | matsuhisa | matsuhisa |
| 'palm the (los angeles)' | 'palm the (atlanta)' | 'michael\'s (los angeles)' | palm | 'palm the (atlanta)' | 'planet hollywood' | 'michael\'s (los angeles)' | 'the palm' |
| patina | patina | patina | patina | patina | patina | patina | patina |
| 'philippe the original' | 'philippe\'s the original' | 'philippe\'s the original' | 'philippe\'s the original' | 'pacific dining car' | 'plumpjack cafe' | 'philippe\'s the original' | 'philippe\'s the original' |
| 'pinot bistro' | 'pinot bistro' | 'pinot bistro' | 'pinot bistro' | 'pinot bistro' | 'pinot bistro' | 'pinot bistro' | 'pinot bistro' |
| 'rex il ristorante' | 'rex il ristorante' | 'rex il ristorante' | 'rex il ristorante' | 'rex il ristorante' | 'rex il ristorante' | 'rex il ristorante' | 'rex il ristorante' |
| 'spago (los angeles)' | 'spago (las vegas)' | 'spago (las vegas)' | spago | 'spago (las vegas)' | 'spago (las vegas)' | 'michael\'s (los angeles)' | 'michael\'s (los angeles)' |
| valentino | valentino | valentino | valentino | valentino | valentino | valentino | valentino |
| 'yujean kang\'s' | 'tommy tang\'s' | 'tommy tang\'s' | 'yujean kang\'s gourmet chinese cuisine' | 'yujean kang\'s gourmet chinese cuisine' | 'yujean kang\'s gourmet chinese cuisine' | 'yujean kang\'s gourmet chinese cuisine' | 'yujean kang\'s gourmet chinese cuisine' |
| '21 club' | '21 club' | '21 club' | '21 club' | '21 club' | '21 club' | '21 club' | '21 club' |
| aquavit | aquavit | aquavit | aquavit | aquavit | aquavit | aquavit | aquavit |
| aureole | aureole | aureole | aureole | aureole | aureole | aureole | aureole |
| 'cafe lalo' | 'cafe lalo' | 'cafe lalo' | 'cafe lalo' | 'cafe lalo' | 'cafe lalo' | 'cafe lalo' | 'cafe lalo' |
| 'cafe des artistes' | 'cafe des artistes' | 'cafe des artistes' | 'cafe des artistes' | 'cafe des artistes' | 'cafe des artistes' | 'cafe des artistes' | 'cafe des artistes' |
| 'carmine\'s' | 'carmine\'s' | 'carmine\'s' | 'carmine\'s' | 'carmine\'s' | 'carmine\'s' | 'carmine\'s' | 'carmine\'s' |
| 'carnegie deli' | 'carnegie deli' | 'carnegie deli' | 'carnegie deli' | 'carnegie deli' | 'carnegie deli' | 'carnegie deli' | 'carnegie deli' |
| chanterelle | chanterelle | chanterelle | chanterelle | chanterelle | chanterelle | chanterelle | chanterelle |
| daniel | daniel | daniel | daniel | daniel | daniel | daniel | daniel |
| dawat | dawat | dawat | dawat | dawat | dawat | dawat | dawat |
| felidia | felidia | felidia | felidia | felidia | felidia | felidia | felidia |
| 'four seasons' | 'four seasons grill room' | 'fleur de jour' | 'four seasons grill room' | 'four seasons grill room' | 'four seasons grill room' | 'four seasons grill room' | 'four seasons grill room' |
| 'gotham bar & grill' | 'gotham bar & grill' | 'gotham bar & grill' | 'gotham bar & grill' | 'gotham bar & grill' | 'gotham bar & grill' | 'gotham bar & grill' | 'gotham bar & grill' |
| 'gramercy tavern' | 'gramercy tavern' | 'gramercy tavern' | 'gramercy tavern' | 'gramercy tavern' | 'gramercy tavern' | 'gramercy tavern' | 'gramercy tavern' |
| 'island spice' | 'island spice' | 'island spice' | 'island spice' | 'island spice' | 'island spice' | 'island spice' | 'island spice' |
| 'jo jo' | 'jo jo' | 'jo jo' | 'jo jo' | 'jo jo' | 'jo jo' | 'jo jo' | 'jo jo' |
| 'la caravelle' | 'la caravelle' | 'la caravelle' | 'la caravelle' | 'la caravelle' | 'la caravelle' | 'la caravelle' | 'la caravelle' |
| 'la cote basque' | 'la cote basque' | 'la cote basque' | 'la cote basque' | 'la cote basque' | 'la cote basque' | 'la cote basque' | 'la cote basque' |
| 'le bernardin' | 'le bernardin' | 'le bernardin' | 'le bernardin' | 'le bernardin' | 'le bernardin' | 'le bernardin' | 'le bernardin' |
| 'les celebrites' | 'les celebrites' | 'les celebrites' | 'les celebrites' | 'les celebrites' | 'les celebrites' | 'les celebrites' | 'les celebrites' |
| 'lespinasse (new york city)' | 'kelly\'s on trinity' | 'lettuce souprise you (at)' | lespinasse | 'lettuce souprise you (at)' | lespinasse | 'new york noodletown' | lespinasse |
| lutece | lutece | lutece | lutece | lutece | lutece | lutece | lutece |
| 'manhattan ocean club' | 'manhattan ocean club' | 'manhattan ocean club' | 'manhattan ocean club' | 'manhattan ocean club' | 'manhattan ocean club' | 'manhattan ocean club' | 'manhattan ocean club' |
| march | march | march | march | march | march | march | march |
| 'mesa grill' | 'mesa grill' | 'mesa grill' | 'mesa grill' | 'mesa grill' | 'mesa grill' | 'mesa grill' | 'mesa grill' |
| 'mi cocina' | 'mi cocina' | 'mi cocina' | 'mi cocina' | 'mi cocina' | 'mi cocina' | 'mi cocina' | 'mi cocina' |
| montrachet | montrachet | montrachet | montrachet | montrachet | montrachet | montrachet | montrachet |
| oceana | oceana | oceana | oceana | oceana | oceana | oceana | oceana |
| 'park avenue cafe (new york city)' | 'park avenue cafe' | 'milan cafe and coffee bar' | 'park avenue cafe' | 'park avenue cafe' | 'park avenue cafe' | 'park avenue cafe' | 'park avenue cafe' |
| petrossian | petrossian | petrossian | petrossian | petrossian | petrossian | petrossian | petrossian |
| picholine | picholine | picholine | picholine | picholine | picholine | picholine | picholine |
| pisces | pisces | pisces | pisces | pisces | pisces | pisces | pisces |
| 'rainbow room' | 'rainbow room' | 'rainbow room' | 'rainbow room' | 'rainbow room' | 'rainbow room' | 'rainbow room' | 'rainbow room' |
| 'river cafe' | 'river cafe' | 'river cafe' | 'river cafe' | 'river cafe' | 'river cafe' | 'river cafe' | 'river cafe' |
| 'san domenico' | 'san domenico' | 'san domenico' | 'san domenico' | 'san domenico' | 'san domenico' | 'san domenico' | 'san domenico' |
| 'second avenue deli' | 'second avenue deli' | 'second avenue deli' | 'second avenue deli' | 'second avenue deli' | 'second avenue deli' | 'second avenue deli' | 'second avenue deli' |
| seryna | seryna | seryna | seryna | seryna | seryna | seryna | seryna |
| 'shun lee palace' | 'shun lee west' | 'shun lee west' | palm | 'shun lee west' | 'shun lee west' | 'shun lee west' | 'shun lee west' |
| 'sign of the dove' | 'sign of the dove' | 'sign of the dove' | 'sign of the dove' | 'sign of the dove' | 'sign of the dove' | 'sign of the dove' | 'sign of the dove' |
| 'smith & wollensky' | 'smith & wollensky' | 'smith & wollensky' | 'smith & wollensky' | 'smith & wollensky' | 'smith & wollensky' | 'smith & wollensky' | 'smith & wollensky' |
| 'tavern on the green' | 'tavern on the green' | 'tavern on the green' | 'tavern on the green' | 'tavern on the green' | 'tavern on the green' | 'tavern on the green' | 'tavern on the green' |
| 'uncle nick\'s' | 'uncle nick\'s' | 'uncle nick\'s' | 'uncle nick\'s' | 'uncle nick\'s' | 'uncle nick\'s' | 'uncle nick\'s' | 'uncle nick\'s' |
| 'union square cafe' | 'union square cafe' | 'union square cafe' | 'union square cafe' | 'union square cafe' | 'union square cafe' | 'union square cafe' | 'union square cafe' |
| 'virgil\'s real bbq' | 'virgil\'s' | 'rubin\'s red hots' | 'virgil\'s' | 'virgil\'s' | 'virgil\'s' | 'san francisco bbq' | 'virgil\'s' |
| 'chin\'s' | 'chin\'s' | 'chin\'s' | 'chin\'s' | 'chin\'s' | 'chin\'s' | 'chin\'s' | 'chin\'s' |
| 'coyote cafe (las vegas)' | 'michael\'s (las vegas)' | 'michael\'s (las vegas)' | 'coyote cafe' | 'coyote cafe' | 'coyote cafe' | 'michael\'s (las vegas)' | 'coyote cafe' |
| 'le montrachet bistro' | 'le montrachet' | 'hyde street bistro' | montrachet | 'le montrachet' | 'le montrachet' | montrachet | 'le montrachet' |
| 'palace court' | 'palace court' | 'palace court' | 'palace court' | 'palace court' | 'palace court' | 'palace court' | 'palace court' |
| 'second street grill' | 'second street grille' | 'second street grille' | 'second street grille' | 'second street grille' | 'second street grille' | 'second street grille' | 'second street grille' |
| 'steak house the' | 'steakhouse the' | 'steakhouse the' | 'steakhouse the' | 'steakhouse the' | 'steakhouse the' | 'steak house' | 'steak house' |
| 'tillerman the' | 'apple pan the' | 'apple pan the' | tillerman | 'thelma\'s kitchen' | tillerman | 'belvedere the' | tillerman |
| abruzzi | abruzzi | abruzzi | abruzzi | abruzzi | abruzzi | abruzzi | abruzzi |
| bacchanalia | bacchanalia | bacchanalia | bacchanalia | bacchanalia | bacchanalia | bacchanalia | bacchanalia |
| 'bone\'s restaurant' | 'piero\'s restaurant' | 'piero\'s restaurant' | 'bone\'s' | 'bone\'s' | 'bone\'s' | 'lanza restaurant' | 'bone\'s' |
| 'brasserie le coze' | 'brasserie le coze' | 'brasserie le coze' | 'brasserie le coze' | 'brasserie le coze' | 'brasserie le coze' | 'brasserie le coze' | 'brasserie le coze' |
| 'buckhead diner' | 'buckhead diner' | 'buckhead diner' | 'buckhead diner' | 'buckhead diner' | 'buckhead diner' | 'buckhead diner' | 'buckhead diner' |
| 'ciboulette restaurant' | 'colonnade restaurant' | 'colonnade restaurant' | ciboulette | 'colonnade restaurant' | ciboulette | 'lanza restaurant' | ciboulette |
| delectables | delectables | delectables | delectables | delectables | delectables | delectables | delectables |
| 'georgia grille' | 'georgia grille' | 'georgia grille' | 'georgia grille' | 'georgia grille' | 'georgia grille' | 'georgia grille' | 'georgia grille' |
| 'hedgerose heights inn the' | 'hedgerose heights inn' | 'hedgerose heights inn' | 'hedgerose heights inn' | 'hedgerose heights inn' | 'hedgerose heights inn' | 'hedgerose heights inn' | 'hedgerose heights inn' |
| 'heera of india' | 'heera of india' | 'heera of india' | 'heera of india' | 'heera of india' | 'heera of india' | 'heera of india' | 'heera of india' |
| 'indigo coastal grill' | 'indigo coastal grill' | 'indigo coastal grill' | 'indigo coastal grill' | 'indigo coastal grill' | 'indigo coastal grill' | 'indigo coastal grill' | 'indigo coastal grill' |
| 'la grotta' | 'la grotta' | 'la grotta' | 'la grotta' | 'la grotta' | 'la grotta' | 'la grotta' | 'la grotta' |
| 'mary mac\'s tea room' | 'mary mac\'s tea room' | 'mary mac\'s tea room' | 'mary mac\'s tea room' | 'mary mac\'s tea room' | 'mary mac\'s tea room' | 'mary mac\'s tea room' | 'mary mac\'s tea room' |
| 'nikolai\'s roof' | 'nikolai\'s roof' | 'nikolai\'s roof' | 'nikolai\'s roof' | 'nikolai\'s roof' | 'nikolai\'s roof' | 'nikolai\'s roof' | 'nikolai\'s roof' |
| 'pano\'s & paul\'s' | 'pano\'s and paul\'s' | 'pano\'s and paul\'s' | 'pano\'s and paul\'s' | 'pano\'s and paul\'s' | 'pink\'s famous chili dogs' | 'pano\'s and paul\'s' | 'pano\'s and paul\'s' |
| 'ritz-carlton cafe (buckhead)' | 'ritz-carlton cafe (atlanta)' | 'ritz-carlton cafe (atlanta)' | carta | 'ritz-carlton cafe (atlanta)' | 'ritz-carlton restaurant and dining room' | 'ritz-carlton cafe (atlanta)' | 'cafe ritz-carlton buckhead' |
| 'ritz-carlton dining room (buckhead)' | 'ritz-carlton cafe (atlanta)' | 'dining room ritz-carlton buckhead' | 'dining room' | 'ritz-carlton restaurant and dining room' | 'ritz-carlton restaurant and dining room' | 'ritz-carlton restaurant and dining room' | 'dining room ritz-carlton buckhead' |
| 'ritz-carlton restaurant' | 'ritz-carlton cafe (atlanta)' | 'thailand restaurant' | 'ritz-carlton restaurant and dining room' | 'ritz-carlton restaurant and dining room' | 'ritz-carlton restaurant and dining room' | 'lanza restaurant' | 'restaurant ritz-carlton atlanta' |
| toulouse | toulouse | toulouse | toulouse | toulouse | toulouse | toulouse | toulouse |
| 'veni vidi vici' | 'veni vidi vici' | 'veni vidi vici' | 'veni vidi vici' | 'veni vidi vici' | 'veni vidi vici' | 'veni vidi vici' | 'veni vidi vici' |
| 'alain rondelli' | 'alain rondelli' | 'alain rondelli' | 'alain rondelli' | 'alain rondelli' | 'alain rondelli' | 'alain rondelli' | 'alain rondelli' |
| aqua | aqua | aqua | aquavit | aqua | aqua | aqua | aqua |
| boulevard | boulevard | boulevard | boulevard | boulevard | boulevard | boulevard | boulevard |
| 'cafe claude' | 'cafe claude' | 'cafe claude' | 'cafe claude' | 'cafe claude' | 'cafe claude' | 'cafe claude' | 'cafe claude' |
| 'campton place' | 'campton place' | 'campton place' | 'campton place' | 'campton place' | 'campton place' | 'campton place' | 'campton place' |
| 'chez michel' | 'chez michel' | 'chez michel' | 'chez michel' | 'chez michel' | 'chez michel' | 'chez michel' | 'chez michel' |
| 'fleur de lys' | 'fleur de lys' | 'fleur de lys' | 'fleur de lys' | 'fleur de lys' | 'fleur de lys' | 'fleur de lys' | 'fleur de lys' |
| fringale | fringale | fringale | fringale | fringale | fringale | fringale | fringale |
| 'hawthorne lane' | 'hawthorne lane' | 'hawthorne lane' | 'hawthorne lane' | 'hawthorne lane' | 'hawthorne lane' | 'hawthorne lane' | 'hawthorne lane' |
| 'khan toke thai house' | 'khan toke thai house' | 'khan toke thai house' | 'khan toke thai house' | 'khan toke thai house' | 'khan toke thai house' | 'khan toke thai house' | 'khan toke thai house' |
| 'la folie' | 'la folie' | 'la folie' | 'la folie' | 'la folie' | 'la folie' | 'la folie' | 'la folie' |
| 'lulu restaurant-bis-cafe' | 'restaurant horikawa' | 'restaurant horikawa' | lulu | 'mambo restaurante cubano' | 'l\'orangerie' | 'arnie morton\'s of chicago' | lulu |
| 'masa\'s' | 'masa\'s' | 'masa\'s' | 'masa\'s' | 'masa\'s' | 'masa\'s' | 'masa\'s' | 'masa\'s' |
| mifune | adrienne | adrienne | 'mifune japan center kintetsu building' | montien | 'mifune japan center kintetsu building' | 'arnie morton\'s of chicago' | 'mifune japan center kintetsu building' |
| 'plumpjack cafe' | 'plumpjack cafe' | 'plumpjack cafe' | 'plumpjack cafe' | 'plumpjack cafe' | 'plumpjack cafe' | 'plumpjack cafe' | 'plumpjack cafe' |
| postrio | postrio | postrio | postrio | postrio | postrio | postrio | postrio |
| 'ritz-carlton dining room (san francisco)' | 'ritz-carlton cafe (atlanta)' | 'ritz-carlton restaurant and dining room' | 'dining room' | 'ritz-carlton restaurant and dining room' | 'ritz-carlton restaurant and dining room' | 'ritz-carlton restaurant and dining room' | 'dining room ritz-carlton buckhead' |
| 'rose pistola' | 'rose pistola' | 'rose pistola' | 'rose pistola' | 'rose pistola' | 'rose pistola' | 'rose pistola' | 'rose pistola' |

# Addr.csv

|  |  |  |  |  |  |  |  |
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| d1 | Levenshtein | Needleman-Wunch | Smith-Waterman | Jaro-Winkler | Soundex | Cosine-Similarity | TF/IDF |
| '435 s. la cienega blvd.' | '435 s. la cienega blv.' | '435 s. la cienega blv.' | 4 | '435 s. la cienega blv.' | '435 s. la cienega blv.' | '435 s. la cienega blv.' | '435 s. la cienega blv.' |
| '12224 ventura blvd.' | '12224 ventura blvd.' | '12224 ventura blvd.' | '12224 ventura blvd.' | '12224 ventura blvd.' | '12224 ventura blvd.' | '12224 ventura blvd.' | '12224 ventura blvd.' |
| '701 stone canyon rd.' | '701 stone canyon rd.' | '701 stone canyon rd.' | '701 stone canyon rd.' | '701 stone canyon rd.' | '701 stone canyon rd.' | '701 stone canyon rd.' | '701 stone canyon rd.' |
| '14016 ventura blvd.' | '14016 ventura blvd.' | '14016 ventura blvd.' | '14016 ventura blvd.' | '14016 ventura blvd.' | '12224 ventura blvd.' | '14016 ventura blvd.' | '14016 ventura blvd.' |
| '624 s. la brea ave.' | '624 s. la brea ave.' | '624 s. la brea ave.' | '624 s. la brea ave.' | '624 s. la brea ave.' | '624 s. la brea ave.' | '624 s. la brea ave.' | '624 s. la brea ave.' |
| '2709 main st.' | '2709 main st.' | '2709 main st.' | '2709 main st.' | '2709 main st.' | '2709 main st.' | '2709 main st.' | '2709 main st.' |
| '6703 melrose ave.' | '6703 melrose ave.' | '6703 melrose ave.' | '6703 melrose ave.' | '6703 melrose ave.' | '6703 melrose ave.' | '6703 melrose ave.' | '6703 melrose ave.' |
| '8358 sunset blvd.' | '9255 sunset blvd.' | '9255 sunset blvd.' | '8358 sunset blvd. west' | '8358 sunset blvd. west' | '8358 sunset blvd. west' | '9255 sunset blvd.' | '8358 sunset blvd. west' |
| '23725 w. malibu rd.' | '23725 w. malibu rd.' | '23725 w. malibu rd.' | '23725 w. malibu rd.' | '23725 w. malibu rd.' | '23725 w. malibu rd.' | '23725 w. malibu rd.' | '23725 w. malibu rd.' |
| '9560 dayton way' | '9560 dayton way' | '9560 dayton way' | '9560 dayton way' | '9560 dayton way' | '9560 dayton way' | '9560 dayton way' | '9560 dayton way' |
| '1972 hillhurst ave.' | '1972 n. hillhurst ave.' | '1972 n. hillhurst ave.' | '1972 n. hillhurst ave.' | '1972 n. hillhurst ave.' | '930 hilgard ave.' | '1972 n. hillhurst ave.' | '1972 n. hillhurst ave.' |
| '903 n. la cienega blvd.' | '903 n. la cienega blvd.' | '903 n. la cienega blvd.' | '903 n. la cienega blvd.' | '903 n. la cienega blvd.' | '903 n. la cienega blvd.' | '903 n. la cienega blvd.' | '903 n. la cienega blvd.' |
| '8284 melrose ave.' | '8284 melrose ave.' | '8284 melrose ave.' | '8284 melrose ave.' | '8284 melrose ave.' | '6703 melrose ave.' | '8284 melrose ave.' | '8284 melrose ave.' |
| '8638 w. third st.' | '86 w. third st.' | '6333 w. third st.' | '86 w. third st.' | '86 w. third st.' | '6333 w. third st.' | '6333 w. third st.' | '6333 w. third st.' |
| '129 n. la cienega blvd.' | '129 n. la cienega blvd.' | '129 n. la cienega blvd.' | '129 n. la cienega blvd.' | '129 n. la cienega blvd.' | '903 n. la cienega blvd.' | '129 n. la cienega blvd.' | '129 n. la cienega blvd.' |
| '9001 santa monica blvd.' | '9001 santa monica blvd.' | '9001 santa monica blvd.' | '9001 santa monica blvd.' | '9001 santa monica blvd.' | '9001 santa monica blvd.' | '9001 santa monica blvd.' | '9001 santa monica blvd.' |
| '5955 melrose ave.' | '5955 melrose ave.' | '5955 melrose ave.' | '5955 melrose ave.' | '5955 melrose ave.' | '6703 melrose ave.' | '5955 melrose ave.' | '5955 melrose ave.' |
| '1001 n. alameda st.' | '1001 n. alameda st.' | '1001 n. alameda st.' | '1001 n. alameda st.' | '1001 n. alameda st.' | '1001 n. alameda st.' | '1001 n. alameda st.' | '1001 n. alameda st.' |
| '12969 ventura blvd.' | '12969 ventura blvd.' | '12969 ventura blvd.' | '12969 ventura blvd.' | '12969 ventura blvd.' | '12224 ventura blvd.' | '12969 ventura blvd.' | '12969 ventura blvd.' |
| '617 s. olive st.' | '617 s. olive st.' | '617 s. olive st.' | '617 s. olive st.' | '617 s. olive st.' | '617 s. olive st.' | '617 s. olive st.' | '617 s. olive st.' |
| '8795 sunset blvd.' | '8720 sunset blvd.' | '8720 sunset blvd.' | '9255 sunset blvd.' | '8720 sunset blvd.' | '8358 sunset blvd. west' | '9255 sunset blvd.' | '9255 sunset blvd.' |
| '3115 pico blvd.' | '3115 pico blvd.' | '3115 pico blvd.' | '3115 pico blvd.' | '3115 pico blvd.' | '3115 pico blvd.' | '3115 pico blvd.' | '3115 pico blvd.' |
| '67 n. raymond ave.' | '67 n. raymond ave.' | '67 n. raymond ave.' | '67 n. raymond ave.' | '67 n. raymond ave.' | '67 n. raymond ave.' | '67 n. raymond ave.' | '67 n. raymond ave.' |
| '21 w. 52nd st.' | '21 w. 52nd st.' | '21 w. 52nd st.' | '21 w. 52nd st.' | '21 w. 52nd st.' | '21 w. 52nd st.' | '21 w. 52nd st.' | '21 w. 52nd st.' |
| '13 w. 54th st.' | '13 w. 54th st.' | '13 w. 54th st.' | '13 w. 54th st.' | '13 w. 54th st.' | '13 w. 54th st.' | '13 w. 54th st.' | '13 w. 54th st.' |
| '34 e. 61st st.' | '34 e. 61st st.' | '34 e. 61st st.' | '34 e. 61st st.' | '34 e. 61st st.' | '34 e. 61st st.' | '34 e. 61st st.' | '34 e. 61st st.' |
| '201 w. 83rd st.' | '201 w. 83rd st.' | '201 w. 83rd st.' | '201 w. 83rd st.' | '201 w. 83rd st.' | '201 w. 83rd st.' | '201 w. 83rd st.' | '201 w. 83rd st.' |
| '1 w. 67th st.' | '1 w. 67th st.' | '1 w. 67th st.' | '1 w. 67th st.' | '1 w. 67th st.' | '13 w. 54th st.' | '1 w. 67th st.' | '1 w. 67th st.' |
| '2450 broadway' | '430 broadway' | '2090 broadway' | 4 | '2450 broadway between 90th and 91st sts.' | '732 broadway' | '732 broadway' | '732 broadway' |
| '854 seventh ave.' | '61a seventh ave.' | '61a seventh ave.' | 4 | '61a seventh ave.' | '13 1st ave. near 1st st.' | '61a seventh ave.' | '61a seventh ave.' |
| '2 harrison st.' | '1 mission st.' | '1 mission st.' | '2 harrison st. near hudson st.' | '2 harrison st. near hudson st.' | '2 harrison st. near hudson st.' | '2 harrison st. near hudson st.' | '2 harrison st. near hudson st.' |
| '20 e. 76th st.' | '20 e. 76th st.' | '20 e. 76th st.' | '20 e. 76th st.' | '20 e. 76th st.' | '20 e. 76th st.' | '20 e. 76th st.' | '20 e. 76th st.' |
| '210 e. 58th st.' | '210 e. 58th st.' | '210 e. 58th st.' | '210 e. 58th st.' | '210 e. 58th st.' | '20 e. 76th st.' | '210 e. 58th st.' | '210 e. 58th st.' |
| '243 e. 58th st.' | '243 e. 58th st.' | '243 e. 58th st.' | '243 e. 58th st.' | '243 e. 58th st.' | '20 e. 76th st.' | '243 e. 58th st.' | '243 e. 58th st.' |
| '99 e. 52nd st.' | '99 e. 52nd st.' | '99 e. 52nd st.' | '99 e. 52nd st.' | '99 e. 52nd st.' | '99 e. 52nd st.' | '99 e. 52nd st.' | '99 e. 52nd st.' |
| '12 e. 12th st.' | '12 e. 12th st.' | '12 e. 12th st.' | '12 e. 12th st.' | '12 e. 12th st.' | '20 e. 76th st.' | '12 e. 12th st.' | '12 e. 12th st.' |
| '42 e. 20th st.' | '46 e. 29th st.' | '46 e. 29th st.' | 4 | '42 e. 20th st. between park ave. s and broadway' | '20 e. 76th st.' | '34 e. 61st st.' | '42 e. 20th st. between park ave. s and broadway' |
| '402 w. 44th st.' | '402 w. 44th st.' | '402 w. 44th st.' | '402 w. 44th st.' | '402 w. 44th st.' | '13 w. 54th st.' | '402 w. 44th st.' | '402 w. 44th st.' |
| '160 e. 64th st.' | '160 e. 64th st.' | '160 e. 64th st.' | '160 e. 64th st.' | '160 e. 64th st.' | '20 e. 76th st.' | '160 e. 64th st.' | '160 e. 64th st.' |
| '33 w. 55th st.' | '33 w. 55th st.' | '33 w. 55th st.' | '33 w. 55th st.' | '33 w. 55th st.' | '13 w. 54th st.' | '33 w. 55th st.' | '33 w. 55th st.' |
| '60 w. 55th st.' | '65 w. 55th st.' | '65 w. 55th st.' | '60 w. 55th st. between 5th and 6th ave.' | '60 e. 54th st.' | '13 w. 54th st.' | '33 w. 55th st.' | '33 w. 55th st.' |
| '155 w. 51st st.' | '155 w. 51st st.' | '155 w. 51st st.' | '155 w. 51st st.' | '155 w. 51st st.' | '155 w. 51st st.' | '155 w. 51st st.' | '155 w. 51st st.' |
| '155 w. 58th st.' | '57 w. 58th st.' | '182 w. 58th st.' | '57 w. 58th st.' | '155 w. 51st st.' | '13 w. 54th st.' | '155 w. 51st st.' | '155 w. 51st st.' |
| '2 e. 55th st.' | '2 e. 55th st.' | '2 e. 55th st.' | '2 e. 55th st.' | '2 e. 55th st.' | '20 e. 76th st.' | '2 e. 55th st.' | '2 e. 55th st.' |
| '249 e. 50th st.' | '249 e. 50th st.' | '249 e. 50th st.' | '249 e. 50th st.' | '249 e. 50th st.' | '20 e. 76th st.' | '249 e. 50th st.' | '249 e. 50th st.' |
| '57 w. 58th st.' | '57 w. 58th st.' | '57 w. 58th st.' | '57 w. 58th st.' | '57 w. 58th st.' | '13 w. 54th st.' | '57 w. 58th st.' | '57 w. 58th st.' |
| '405 e. 58th st.' | '405 e. 58th st.' | '405 e. 58th st.' | '405 e. 58th st.' | '405 e. 58th st.' | '20 e. 76th st.' | '405 e. 58th st.' | '405 e. 58th st.' |
| '102 fifth ave.' | '432 sixth ave.' | '432 sixth ave.' | '102 5th ave. between 15th and 16th sts.' | '1240 9th ave.' | '15 fulton st.' | '6703 melrose ave.' | '102 5th ave. between 15th and 16th sts.' |
| '57 jane st.' | '522 jones st.' | '570 4th st.' | '57 jane st. off hudson st.' | '57 jane st. off hudson st.' | '9 jones st.' | '57 jane st. off hudson st.' | '57 jane st. off hudson st.' |
| '239 w. broadway' | '2090 broadway' | '2090 broadway' | '239 w. broadway between walker and white sts.' | '239 w. broadway between walker and white sts.' | '239 w. broadway between walker and white sts.' | '492 broome st. near w. broadway' | '239 w. broadway between walker and white sts.' |
| '55 e. 54th st.' | '55 e. 54th st.' | '55 e. 54th st.' | '55 e. 54th st.' | '55 e. 54th st.' | '20 e. 76th st.' | '55 e. 54th st.' | '55 e. 54th st.' |
| '100 e. 63rd st.' | '100 e. 63rd st.' | '100 e. 63rd st.' | '100 e. 63rd st.' | '100 e. 63rd st.' | '100 e. 63rd st.' | '100 e. 63rd st.' | '100 e. 63rd st.' |
| '182 w. 58th st.' | '182 w. 58th st.' | '182 w. 58th st.' | '182 w. 58th st.' | '182 w. 58th st.' | '13 w. 54th st.' | '182 w. 58th st.' | '182 w. 58th st.' |
| '35 w. 64th st.' | '35 w. 64th st.' | '35 w. 64th st.' | '35 w. 64th st.' | '35 w. 64th st.' | '13 w. 54th st.' | '35 w. 64th st.' | '35 w. 64th st.' |
| '95 ave. a' | '93 ave. a' | '93 ave. a' | '95 ave. a at 6th st.' | '95 ave. a at 6th st.' | '93 ave. a' | '93 ave. a' | '95 ave. a at 6th st.' |
| '30 rockefeller plaza' | '30 rockefeller plaza' | '30 rockefeller plaza' | '30 rockefeller plaza' | '30 rockefeller plaza' | '30 rockefeller plaza' | '30 rockefeller plaza' | '30 rockefeller plaza' |
| '1 water st.' | '1 market st.' | '1 market st.' | '1 water st. at the east river' | '1 water st. at the east river' | '1 water st. at the east river' | '1 mission st.' | '1 mission st.' |
| '240 central park s.' | '240 central park s' | '240 central park s' | 4 | '240 central park s' | '160 central park s' | '240 central park s' | '240 central park s' |
| '156 second ave.' | '117 second ave.' | '117 second ave.' | '117 second ave.' | '117 second ave.' | '117 second ave.' | '117 second ave.' | '117 second ave.' |
| '11 e. 53rd st.' | '11 e. 53rd st.' | '11 e. 53rd st.' | '11 e. 53rd st.' | '11 e. 53rd st.' | '100 e. 63rd st.' | '11 e. 53rd st.' | '11 e. 53rd st.' |
| '155 e. 55th st.' | '55 e. 54th st.' | '405 e. 58th st.' | '2 e. 55th st.' | '55 e. 54th st.' | '20 e. 76th st.' | '2 e. 55th st.' | '2 e. 55th st.' |
| '1110 third ave.' | '411 third ave.' | '411 third ave.' | '411 third ave.' | '411 third ave.' | '411 third ave.' | '411 third ave.' | '411 third ave.' |
| '797 third ave.' | '411 third ave.' | '411 third ave.' | '411 third ave.' | '411 third ave.' | '411 third ave.' | '411 third ave.' | '411 third ave.' |
| 'central park west' | '160 central park s' | '160 central park s' | '160 central park s' | '160 central park s' | '160 central park s' | '8358 sunset blvd. west' | '160 central park s' |
| '747 ninth ave.' | '764 ninth ave.' | '764 ninth ave.' | 4 | '764 ninth ave.' | '764 ninth ave.' | '764 ninth ave.' | '764 ninth ave.' |
| '21 e. 16th st.' | '21 e. 16th st.' | '21 e. 16th st.' | '21 e. 16th st.' | '21 e. 16th st.' | '20 e. 76th st.' | '21 e. 16th st.' | '21 e. 16th st.' |
| '152 w. 44th st.' | '152 w. 44th st.' | '152 w. 44th st.' | '152 w. 44th st.' | '152 w. 44th st.' | '13 w. 54th st.' | '152 w. 44th st.' | '152 w. 44th st.' |
| '3200 las vegas blvd. s.' | '3200 las vegas blvd. s.' | '3200 las vegas blvd. s.' | '3200 las vegas blvd. s.' | '3200 las vegas blvd. s.' | '3200 las vegas blvd. s' | '3200 las vegas blvd. s.' | '3200 las vegas blvd. s.' |
| '3799 las vegas blvd. s.' | '3799 las vegas blvd. s.' | '3799 las vegas blvd. s.' | '3799 las vegas blvd. s.' | '3799 las vegas blvd. s.' | '3200 las vegas blvd. s' | '3799 las vegas blvd. s.' | '3799 las vegas blvd. s.' |
| '3000 paradise rd.' | '3900 paradise rd.' | '3900 paradise rd.' | '3000 w. paradise rd.' | '3900 paradise rd.' | '3900 paradise rd.' | '3000 w. paradise rd.' | '3000 w. paradise rd.' |
| '3570 las vegas blvd. s.' | '3570 las vegas blvd. s' | '3500 las vegas blvd. s.' | '3570 las vegas blvd. s' | '3570 las vegas blvd. s' | '3200 las vegas blvd. s' | '3570 las vegas blvd. s' | '3300 las vegas blvd. s.' |
| '200 e. fremont st.' | '200 e. fremont st.' | '200 e. fremont st.' | '200 e. fremont st.' | '200 e. fremont st.' | '200 e. fremont st.' | '200 e. fremont st.' | '200 e. fremont st.' |
| '2880 las vegas blvd. s.' | '2880 las vegas blvd. s' | '2880 las vegas blvd. s' | '2880 las vegas blvd. s' | '2880 las vegas blvd. s' | '3200 las vegas blvd. s' | '2880 las vegas blvd. s' | '2880 las vegas blvd. s' |
| '2245 e. flamingo rd.' | '2245 e. flamingo rd.' | '2245 e. flamingo rd.' | '2245 e. flamingo rd.' | '2245 e. flamingo rd.' | '2245 e. flamingo rd.' | '2245 e. flamingo rd.' | '2245 e. flamingo rd.' |
| '2355 peachtree rd. ne' | '3391 peachtree rd. ne' | '3391 peachtree rd. ne' | '2355 peachtree rd. peachtree battle shopping center' | '2355 peachtree rd. peachtree battle shopping center' | '2355 peachtree rd. peachtree battle shopping center' | '3391 peachtree rd. ne' | '3391 peachtree rd. ne' |
| '3125 piedmont rd.' | '3330 piedmont rd.' | '3330 piedmont rd.' | '3125 piedmont rd. near peachtree rd.' | '3125 piedmont rd. near peachtree rd.' | '3125 piedmont rd. near peachtree rd.' | '3125 piedmont rd. near peachtree rd.' | '3125 piedmont rd. near peachtree rd.' |
| '3130 piedmont rd. ne' | '3330 piedmont rd.' | '3130 piedmont road' | '3330 piedmont rd.' | '3130 piedmont road' | '3125 piedmont rd. near peachtree rd.' | '3130 piedmont road' | '3130 piedmont road' |
| '3393 peachtree rd.' | '3393 peachtree rd.' | '3393 peachtree rd.' | '3393 peachtree rd.' | '3393 peachtree rd.' | '2355 peachtree rd. peachtree battle shopping center' | '3393 peachtree rd.' | '3393 peachtree rd.' |
| '3073 piedmont rd.' | '3073 piedmont road' | '3330 piedmont rd.' | '3073 piedmont road' | '3073 piedmont road' | '3125 piedmont rd. near peachtree rd.' | '3073 piedmont road' | '3073 piedmont road' |
| '1529 piedmont ave.' | '1529 piedmont ave.' | '1529 piedmont ave.' | '1529 piedmont ave.' | '1529 piedmont ave.' | '3125 piedmont rd. near peachtree rd.' | '1529 piedmont ave.' | '1529 piedmont ave.' |
| '1 margaret mitchell sq.' | '1 margaret mitchell sq.' | '1 margaret mitchell sq.' | '1 margaret mitchell sq.' | '1 margaret mitchell sq.' | '1 margaret mitchell sq.' | '1 margaret mitchell sq.' | '1 margaret mitchell sq.' |
| '2290 peachtree rd.' | '3380 peachtree rd.' | '3380 peachtree rd.' | '2290 peachtree rd. peachtree square shopping center' | '1829 peachtree rd.' | '2355 peachtree rd. peachtree battle shopping center' | '3434 peachtree rd.' | '2290 peachtree rd. peachtree square shopping center' |
| '490 e. paces ferry rd. ne' | '490 e. paces ferry rd.' | '490 e. paces ferry rd.' | 4 | '490 e. paces ferry rd.' | '490 e. paces ferry rd.' | '490 e. paces ferry rd.' | '490 e. paces ferry rd.' |
| '595 piedmont ave.' | '1529 piedmont ave.' | '1529 piedmont ave.' | '595 piedmont ave. rio shopping mall' | '1529 piedmont ave.' | '3125 piedmont rd. near peachtree rd.' | '1529 piedmont ave.' | '595 piedmont ave. rio shopping mall' |
| '1397 n. highland ave.' | '1397 n. highland ave.' | '1397 n. highland ave.' | '1397 n. highland ave.' | '1397 n. highland ave.' | '1397 n. highland ave.' | '1397 n. highland ave.' | '1397 n. highland ave.' |
| '2637 peachtree rd. ne' | '3391 peachtree rd. ne' | '3391 peachtree rd. ne' | '2637 peachtree rd. peachtree house condominium' | '3172 peachtree rd. ne' | '2355 peachtree rd. peachtree battle shopping center' | '3391 peachtree rd. ne' | '3391 peachtree rd. ne' |
| '224 ponce de leon ave.' | '224 ponce de leon ave.' | '224 ponce de leon ave.' | '224 ponce de leon ave.' | '224 ponce de leon ave.' | '224 ponce de leon ave.' | '224 ponce de leon ave.' | '224 ponce de leon ave.' |
| '255 courtland st.' | '15 fulton st.' | '252 california st.' | '255 courtland st. at harris st.' | '255 courtland st. at harris st.' | '255 courtland st. at harris st.' | '255 courtland st. at harris st.' | '255 courtland st. at harris st.' |
| '1232 w. paces ferry rd.' | '1232 w. paces ferry rd.' | '1232 w. paces ferry rd.' | '1232 w. paces ferry rd.' | '1232 w. paces ferry rd.' | '1232 w. paces ferry rd.' | '1232 w. paces ferry rd.' | '1232 w. paces ferry rd.' |
| '3434 peachtree rd. ne' | '3434 peachtree rd.' | '3391 peachtree rd. ne' | 4 | '3434 peachtree rd.' | '2355 peachtree rd. peachtree battle shopping center' | '3391 peachtree rd. ne' | '3434 peachtree rd.' |
| '181 peachtree st.' | '181 peachtree st.' | '181 peachtree st.' | '181 peachtree st.' | '181 peachtree st.' | '181 peachtree st.' | '181 peachtree st.' | '181 peachtree st.' |
| '293-b peachtree rd.' | '1931 peachtree rd.' | '1931 peachtree rd.' | 'b peachtree rd.' | 'b peachtree rd.' | 'b peachtree rd.' | '3434 peachtree rd.' | '3434 peachtree rd.' |
| '41 14th st.' | '41 14th st.' | '41 14th st.' | '41 14th st.' | '41 14th st.' | '41 14th st.' | '41 14th st.' | '41 14th st.' |
| '126 clement st.' | '126 clement st.' | '126 clement st.' | '126 clement st.' | '126 clement st.' | '126 clement st.' | '126 clement st.' | '126 clement st.' |
| '252 california st.' | '252 california st.' | '252 california st.' | '252 california st.' | '252 california st.' | '252 california st.' | '252 california st.' | '252 california st.' |
| '1 mission st.' | '1 mission st.' | '1 mission st.' | '1 mission st.' | '1 mission st.' | '1 mission st.' | '1 mission st.' | '1 mission st.' |
| '7 claude ln.' | '7 claude la.' | '7 claude la.' | '7 claude la.' | '7 claude la.' | '7 claude la.' | '7 claude la.' | '7 claude la.' |
| '340 stockton st.' | '340 stockton st.' | '340 stockton st.' | '340 stockton st.' | '340 stockton st.' | '340 stockton st.' | '340 stockton st.' | '340 stockton st.' |
| '804 north point st.' | '804 northpoint' | '804 northpoint' | 4 | '804 northpoint' | '804 northpoint' | '3rd st.' | '3rd st.' |
| '777 sutter st.' | '777 sutter st.' | '777 sutter st.' | '777 sutter st.' | '777 sutter st.' | '777 sutter st.' | '777 sutter st.' | '777 sutter st.' |
| '570 fourth st.' | '598 fourth st.' | '598 fourth st.' | '4th st.' | '570 4th st.' | '598 fourth st.' | '570 4th st.' | '570 4th st.' |
| '22 hawthorne st.' | '22 hawthorne st.' | '22 hawthorne st.' | '22 hawthorne st.' | '22 hawthorne st.' | '22 hawthorne st.' | '22 hawthorne st.' | '22 hawthorne st.' |
| '5937 geary blvd.' | '5937 geary blvd.' | '5937 geary blvd.' | '5937 geary blvd.' | '5937 geary blvd.' | '5937 geary blvd.' | '5937 geary blvd.' | '5937 geary blvd.' |
| '2316 polk st.' | '2316 polk st.' | '2316 polk st.' | '2316 polk st.' | '2316 polk st.' | '2316 polk st.' | '2316 polk st.' | '2316 polk st.' |
| '816 folsom st.' | '816 folsom st.' | '816 folsom st.' | '816 folsom st.' | '816 folsom st.' | '816 folsom st.' | '816 folsom st.' | '816 folsom st.' |
| '648 bush st.' | '648 bush st.' | '648 bush st.' | '648 bush st.' | '648 bush st.' | '648 bush st.' | '648 bush st.' | '648 bush st.' |
| '1737 post st.' | '1737 post st.' | '1737 post st.' | '1737 post st.' | '1737 post st.' | '1737 post st.' | '1737 post st.' | '1737 post st.' |
| '3127 fillmore st.' | '3347 fillmore st.' | '3347 fillmore st.' | '3201 fillmore st.' | '3201 fillmore st.' | '3201 fillmore st.' | '3201 fillmore st.' | '3201 fillmore st.' |
| '545 post st.' | '545 post st.' | '545 post st.' | '545 post st.' | '545 post st.' | '1737 post st.' | '545 post st.' | '545 post st.' |
| '600 stockton st.' | '600 stockton st.' | '600 stockton st.' | '600 stockton st.' | '600 stockton st.' | '340 stockton st.' | '600 stockton st.' | '600 stockton st.' |
| '532 columbus ave.' | '532 columbus ave.' | '532 columbus ave.' | '532 columbus ave.' | '532 columbus ave.' | '532 columbus ave.' | '532 columbus ave.' | '532 columbus ave.' |

# City.csv

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| d1 | Levenshtein | Needleman-Wunch | Smith-Waterman | Jaro-Winkler | Soundex | Cosine-Similarity | TF/IDF |
| 'los angeles' | 'los angeles' | 'los angeles' | 'los angeles' | 'los angeles' | 'los angeles' | 'los angeles' | 'los angeles' |
| 'studio city' | 'studio city' | 'studio city' | 'studio city' | 'studio city' | 'studio city' | 'studio city' | 'studio city' |
| 'bel air' | 'bel air' | 'bel air' | 'bel air' | 'bel air' | 'bel air' | 'bel air' | 'bel air' |
| 'sherman oaks' | 'sherman oaks' | 'sherman oaks' | 'sherman oaks' | 'sherman oaks' | 'sherman oaks' | 'sherman oaks' | 'sherman oaks' |
| 'santa monica' | 'santa monica' | 'santa monica' | 'santa monica' | 'santa monica' | 'santa monica' | 'santa monica' | 'santa monica' |
| 'w. hollywood' | 'w. hollywood' | 'w. hollywood' | hollywood | 'w. hollywood' | 'w. hollywood' | 'w. hollywood' | 'w. hollywood' |
| malibu | malibu | malibu | malibu | malibu | malibu | malibu | malibu |
| 'beverly hills' | 'beverly hills' | 'beverly hills' | 'beverly hills' | 'beverly hills' | 'beverly hills' | 'beverly hills' | 'beverly hills' |
| 'los feliz' | 'los feliz' | 'los feliz' | 'los feliz' | 'los feliz' | 'los feliz' | 'los feliz' | 'los feliz' |
| chinatown | chinatown | chinatown | chinatown | chinatown | chinatown | chinatown | chinatown |
| pasadena | pasadena | pasadena | pasadena | pasadena | pasadena | pasadena | pasadena |
| 'new york city' | 'new york city' | 'new york city' | 'new york city' | 'new york city' | 'new york city' | 'new york city' | 'new york city' |
| brooklyn | brooklyn | brooklyn | brooklyn | brooklyn | brooklyn | brooklyn | brooklyn |
| 'las vegas' | 'las vegas' | 'las vegas' | 'las vegas' | 'las vegas' | 'las vegas' | 'las vegas' | 'las vegas' |
| atlanta | atlanta | atlanta | atlanta | atlanta | atlanta | atlanta | atlanta |
| 'san francisco' | 'san francisco' | 'san francisco' | 'san francisco' | 'san francisco' | 'san francisco' | 'san francisco' | 'san francisco' |

# Type.csv

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| d1 | Levenshtein | Needleman-Wunch | Smith-Waterman | Jaro-Winkler | Soundex | Cosine-Similarity | TF/IDF |
| steakhouses | steakhouses | steakhouses | steakhouses | steakhouses | 'steak houses' | steakhouses | steakhouses |
| delis | delis | delis | delis | delis | delis | delis | delis |
| californian | californian | californian | californian | californian | californian | californian | californian |
| 'french bistro' | 'french bistro' | 'french bistro' | french | 'french bistro' | 'french bistro' | 'french bistro' | 'french bistro' |
| 'pacific new wave' | 'pacific new wave' | 'pacific new wave' | 'pacific new wave' | 'pacific new wave' | 'pacific new wave' | 'pacific new wave' | 'pacific new wave' |
| 'french (new)' | 'french (new)' | 'french (new)' | french | 'french (new)' | 'french (new)' | 'french (new)' | 'french (new)' |
| 'american (traditional)' | 'american (new)' | 'ext 6108 international' | american | 'french bistro' | american | 'american (new)' | american |
| japanese | japanese | japanese | japanese | japanese | japanese | japanese | japanese |
| 'french (classic)' | 'french (classic)' | 'french (classic)' | french | 'french (classic)' | 'french (classic)' | 'french (classic)' | 'french (classic)' |
| italian | italian | italian | italian | italian | italian | italian | italian |
| seafood | seafood | seafood | seafood | seafood | seafood | seafood | seafood |
| cafeterias | cafeterias | cafeterias | cafeterias | cafeterias | cafeterias | cafeterias | cafeterias |
| 'nuova cucina italian' | 'tel caribbean' | italian | italian | 'only in las vegas' | coffeehouses | american | italian |
| chinese | chinese | chinese | chinese | chinese | chinese | chinese | chinese |
| 'american (new)' | 'american (new)' | 'american (new)' | american | 'american (new)' | american | 'american (new)' | 'american (new)' |
| scandinavian | indonesian | indonesian | asian | spanish | sandwiches | american | american |
| coffeehouses | coffeehouses | coffeehouses | coffeehouses | coffeehouses | coffeehouses | coffeehouses | coffeehouses |
| indian | indian | indian | indian | indian | indian | indian | indian |
| caribbean | caribbean | caribbean | 'tel caribbean' | caribbean | caribbean | caribbean | caribbean |
| asian | asian | asian | asian | asian | asian | asian | asian |
| southwestern | southwestern | southwestern | southwestern | southwestern | southwestern | southwestern | southwestern |
| mexican | mexican | mexican | mexican | mexican | mexican | mexican | mexican |
| russian | russian | russian | russian/german | russian | russian | russian | russian |
| mediterranean | mediterranean | mediterranean | mediterranean | mediterranean | mediterranean | mediterranean | mediterranean |
| greek | greek | greek | 'greek and middle eastern' | greek | greek | greek | greek |
| bbq | bbq | bbq | bbq | bbq | bbq | bbq | bbq |
| 'pacific rim' | 'pacific new wave' | cafeterias | 'pacific new wave' | 'pacific new wave' | 'pacific new wave' | 'pacific new wave' | 'pacific new wave' |
| continental | continental | continental | continental | continental | continental | continental | continental |
| eclectic | eclectic | eclectic | eclectic | eclectic | eclectic | eclectic | eclectic |
| southern/soul | southern/soul | southern/soul | southern | southern/soul | southern/soul | southern/soul | southern/soul |
| thai | thai | thai | thai | thai | thai | thai | thai |

# Accuracy.csv

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| column | Levenshtein | Needleman-Wunch | Smith-Waterman | Jaro-Winkler | Soundex | Cosine-Similarity | TF/IDF |
| name | 0.8214286 | 0.79464287 | 0.91071427 | 0.8660714 | 0.89285713 | 0.83035713 | 0.97321427 |
| addr | 0.7207207 | 0.7027027 | 0.8288288 | 0.8558559 | 0.5045045 | 0.7747748 | 0.8378378 |
| city | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| type | 0.87096775 | 0.9032258 | 0.87096775 | 0.87096775 | 0.9032258 | 0.87096775 | 0.9354839 |

# Performance of Similarity functions

|  |  |
| --- | --- |
| column | Performance |
| name | TF/IDF arguably performs the best for this column because a lot of the names involve change in orderings of the words like bel-air hotel and hotel bel-air. And because the tokenizer strips the string of its quotes and then splits the string on spaces, really good accuracy is observed. Levenshtein is an average performer. Needleman-Wunch unsurprisingly does badly because a lot of the words do not align with other words and NW has a significant gap penalty, thus the low accuracy. Smith Waterman does pretty well because it only compares substrings of the two strings that have aligned. So bel-air in bel-air hotel and hotel bel-air will align and give a perfect score. |
| addr | The address is tricky and in-order to get good matches they should be broken down because whole addresses are usually long and rarely will contain exact matches. Also, if the buildings numbers are common then that should hold a lot more significance as it is much more likely that they will also share the same address, thus Jaro-Winkler gets a good score because it assigns a bonus if the strings have matching prefixes(building nums). Soundex does bad because of numbers. Levenshtein and NW do bad because they don’t work on substrings. TF/IDF again does pretty well because it compares tokens, so building numbers will match to the building numbers even if the addresses don’t match. However since there are many tokens for each string, a match only on the building numbers may not ensure a high number. |
| city | Because every city in d1.csv has a perfect match in d2.csv. No significant differences in the two strings like hollywood and w. hollywood. |
| type | TF/IDF does well again because a lot of matches involve words like french and french (new), so such matches will obviously better TF/IDF’s accuracy. All of the remaining almost perform equally well because there isn’t much difference in the matches. And all fail over the same pair of strings. |