

Student: Alberto Luna

Semester: Spring 24

Assignment: Lab 7

Lab 6 Submission

Question 1

```
aluna1740@ironhide:~/Documents/Csv$ cat cereal.csv
name;mfr:type;calories;protein;fat;sodium;fiber;carbo;sugars;potass;vitamin
s;shelf;weight;cups;rating
String;Categorical;Categorical;Int;Int;Int;Int;Float;Float;Int;Int;Int;Int;
Float;Float;Float
100% Bran;N;C;70;4;1;130;10;5;6;280;25;3;1;0.33;68.402973
100% Natural Bran;Q;C;120;3;5;15;2;8;8;135;0;3;1;1;33.983679
All-Bran;K;C;70;4;1;260;9;7;5;320;25;3;1;0.33;59.425505
All-Bran with Extra Fiber;K;C;50;4;0;140;14;8;0;330;25;3;1;0.5;93.704912
Almond Delight;R;C;110;2;2;200;1;14;8;-1;25;3;1;0.75;34.384843
Apple Cinnamon Cheerios;G;C;110;2;2;180;1.5;10.5;10;70;25;1;1;0.75;29.509541
Apple Jacks;K;C;110;2;0;125;1;11;14;30;25;2;1;1;33.174094
Basic 4;G;C;130;3;2;210;2;18;8;100;25;3;1.33;0.75;37.038562
Bran Chex;R;C;90;2;1;200;4;15;6;125;25;1;1;0.67;49.120253
Bran Flakes;P;C;90;3;0;210;5;13;5;190;25;3;1;0.67;53.313813
Cap'n Crunch;Q;C;120;1;2;220;0;12;12;35;25;2;1;0.75;18.042851
Cheerios;G;C;110;6;2;290;2;17;1;105;25;1;1;1.25;50.764999
Cinnamon Toast Crunch;G;C;120;1;3;210;0;13;9;45;25;2;1;0.75;19.823573
Clusters;G;C;110;3;2;140;2;13;7;105;25;3;1;0.5;40.400208
Cocoa Puffs;G;C;110;1;1;180;0;12;13;55;25;2;1;1;22.736446
Corn Chex;R;C;110;2;0;280;0;22;3;25;25;1;1;1;41.445019
Corn Flakes;K;C;100;2;0;290;1;21;2;35;25;1;1;1;45.863324
Corn Pops;K;C;110;1;0;90;1;13;12;20;25;2;1;1;35.782791
Count Chocula;G;C;110;1;1;180;0;12;13;65;25;2;1;1;22.396513
Cracklin' Oat Bran;K;C;110;3;3;140;4;10;7;160;25;3;1;0.5;40.448772
Cream of Wheat (Quick);N;H;100;3;0;80;1;21;0;-1;0;2;1;1;64.533816
Crispix;K;C;110;2;0;220;1;21;3;30;25;3;1;1;46.895644
Crispy Wheat & Raisins;G;C;100;2;1;140;2;11;10;120;25;3;1;0.75;36.176196
Double Chex;R;C;100;2;0;190;1;18;5;80;25;3;1;0.75;44.330856
Froot Loops;K;C;110;2;1;125;1;11;13;30;25;2;1;1;32.207582
Frosted Flakes;K;C;110;1;0;200;1;14;11;25;25;1;1;0.75;31.435973
Frosted Mini-Wheats;K;C;100;3;0;0;3;14;7;100;25;2;1;0.8;58.345141
Fruit & Fibre Dates, Walnuts, and Oats;P;C;120;3;2;160;5;12;10;200;25;3;1.25;0.67;40.917047
5;0.67;40.917047

aluna1740@ironhide:~/Documents/Csv$ tac cereal.csv
Wheaties Honey Gold;G;C;110;2;1;200;1;16;8;60;25;1;1;0.75;36.187559
Wheaties;G;C;100;3;1;200;3;17;3;110;25;1;1;1;51.592193
Wheat Chex;R;C;100;3;1;230;3;17;3;115;25;1;1;0.67;49.787445
Trix;G;C;110;1;1;140;0;13;12;25;25;2;1;1;27.753301
Triples;G;C;110;2;1;250;0;21;3;60;25;3;1;0.75;39.106174
Total Whole Grain;G;C;100;3;1;200;3;16;3;110;100;3;1;1;46.658844
Total Raisin Bran;G;C;140;3;1;190;4;15;14;230;100;3;1.5;1;28.592785
Total Corn Flakes;G;C;110;2;1;200;0;21;3;35;100;3;1;1;38.839746
Strawberry Fruit Wheats;N;C;90;2;0;15;3;15;5;90;25;2;1;1;59.363993
Special K;K;C;110;6;0;230;1;16;3;55;25;1;1;1;53.131324
Smacks;K;C;110;2;1;70;1;9;15;40;25;2;1;0.75;31.230054
Shredded Wheat spoon size;N;C;90;3;0;0;3;20;0;120;0;1;1;0.67;72.801787
Shredded Wheat 'n Bran;N;C;90;3;0;0;4;19;0;140;0;1;1;0.67;74.472949
Shredded Wheat;N;C;80;2;0;0;3;16;0;95;0;1;0.83;1;68.235885
Rice Krispies;K;C;110;2;0;290;0;22;3;35;25;1;1;1;40.560159
Rice Chex;R;C;110;1;0;240;0;23;2;30;25;1;1;1;13;41.998933
Raisin Squares;K;C;90;2;0;0;2;15;6;110;25;3;1;0.5;55.333142
Raisin Nut Bran;G;C;100;3;2;140;2.5;10.5;8;140;25;3;1;0.5;39.703400
Raisin Bran;K;C;120;3;1;210;5;14;12;240;25;2;1.33;0.75;39.259197
Quaker Oatmeal;Q;H;100;5;2;0;2.7;-1;-1;110;0;1;1;0.67;50.828392
Quaker Oat Squares;Q;C;100;4;1;135;2;14;6;110;25;3;1;0.5;49.511874
Puffed Wheat;Q;C;50;2;0;0;1;10;0;50;0;3;0.5;1;63.005645
Puffed Rice;Q;C;50;1;0;0;0;13;0;15;0;3;0.5;1;60.756112
Product 19;K;C;100;3;0;320;1;20;3;45;100;3;1;1;41.503540
Post Nat. Raisin Bran;P;C;120;3;1;200;6;11;14;260;25;3;1.33;0.67;37.840594
Oatmeal Raisin Crisp;G;C;130;3;2;170;1.5;13.5;10;120;25;3;1.25;0.5;30.450843
Nutri-grain Wheat;K;C;90;3;0;170;3;18;2;90;25;3;1;1;59.642837
Nutri-Grain Almond-Raisin;K;C;140;3;2;220;3;21;7;130;25;3;1.33;0.67;40.692320
Nut&Honey Crunch;K;C;120;2;1;190;0;15;9;40;25;2;1;0.67;29.924285
Multi-Grain Cheerios;G;C;100;2;1;220;2;15;6;90;25;1;1;1;40.105965
Mueslix Crispy Blend;K;C;160;3;2;150;3;17;13;160;25;3;1.5;0.67;30.313351
Muesli Raisins, Peaches, & Pecans;R;C;150;4;3;150;3;16;11;170;25;3;1;1;34.000000

aluna1740@ironhide:~/Documents/Csv$ cat -n -v -E cereal.csv
1 name;mfr:type;calories;protein;fat;sodium;fiber;carbo;sugars;potass;vitamins;shelf;weight;cups;rating^MS
2 String;Categorical;Categorical;Int;Int;Int;Int;Float;Float;Int;Int;Int;Int;Float;Float^MS
3 100% Bran;N;C;70;4;1;130;10;5;6;280;25;3;1;0.33;68.402973^MS
4 100% Natural Bran;Q;C;120;3;5;15;2;8;8;135;0;3;1;1;33.983679^MS
5 All-Bran;K;C;70;4;1;260;9;7;5;320;25;3;1;0.33;59.425505^MS
6 All-Bran with Extra Fiber;K;C;50;4;0;140;14;8;0;330;25;3;1;0.5;93.704912^MS
7 Almond Delight;R;C;110;2;2;200;1;14;8;-1;25;3;1;0.75;34.384843^MS
8 Apple Cinnamon Cheerios;G;C;110;2;2;180;1.5;10.5;10;70;25;1;1;0.75;29.509541^MS
9 Apple Jacks;K;C;110;2;0;125;1;11;14;30;25;2;1;1;33.174094^MS
10 Basic 4;G;C;130;3;2;210;2;18;8;100;25;3;1.33;0.75;37.038562^MS
11 Bran Chex;R;C;90;2;1;200;4;15;6;125;25;1;1;0.67;49.120253^MS
12 Bran Flakes;P;C;90;3;0;210;5;13;5;190;25;3;1;0.67;53.313813^MS
13 Cap'n Crunch;Q;C;120;1;2;220;0;12;12;35;25;2;1;0.75;18.042851^MS
14 Cheerios;G;C;110;6;2;290;2;17;1;105;25;1;1;1.25;50.764999^MS
15 Cinnamon Toast Crunch;G;C;120;1;3;210;0;13;9;45;25;2;1;0.75;19.823573^MS
16 Clusters;G;C;110;3;2;140;2;13;7;105;25;3;1;0.5;40.400208^MS
17 Cocoa Puffs;G;C;110;1;1;180;0;12;13;55;25;2;1;1;22.736446^MS
18 Corn Chex;R;C;110;2;0;280;0;22;3;25;25;1;1;1;41.445019^MS
19 Corn Flakes;K;C;100;2;0;290;1;21;2;35;25;1;1;1;45.863324^MS
20 Corn Pops;K;C;110;1;0;90;1;13;12;20;25;2;1;1;35.782791^MS
21 Count Chocula;G;C;110;1;1;180;0;12;13;65;25;2;1;1;22.396513^MS
22 Cracklin' Oat Bran;K;C;110;3;3;140;4;10;7;160;25;3;1;0.5;40.448772^MS
23 Cream of Wheat (Quick);N;H;100;3;0;80;1;21;0;-1;0;2;1;1;64.533816^MS
24 Crispix;K;C;110;2;0;220;1;21;3;30;25;3;1;1;46.895644^MS
25 Crispy Wheat & Raisins;G;C;100;2;1;140;2;11;10;120;25;3;1;0.75;36.176196^MS
26 Double Chex;R;C;100;2;0;190;1;18;5;80;25;3;1;0.75;44.330856^MS
27 Froot Loops;K;C;110;2;1;125;1;11;13;30;25;2;1;1;32.207582^MS
28 Frosted Flakes;K;C;110;1;0;200;1;14;11;25;25;1;1;0.75;31.435973^MS
29 Frosted Mini-Wheats;K;C;100;3;0;0;3;14;7;100;25;2;1;0.8;58.345141^MS
30 Fruit & Fibre Dates, Walnuts, and Oats;P;C;120;3;2;160;5;12;10;200;25;3;1.25;0.67;40.917047^MS
31 Fruitful Bran;P;C;120;3;0;240;5;14;12;190;25;3;1.33;0.67;41.015492^MS
32 Fruity Pebbles;P;C;110;1;1;135;0;13;12;25;25;2;1;0.75;28.025765^MS
33 Golden Crisp;P;C;100;2;0;45;0;11;15;40;25;1;1;0.88;35.252444^MS

aluna1740@ironhide:~/Documents/Csv$ head -n 2 cereal.csv
name;mfr:type;calories;protein;fat;sodium;fiber;carbo;sugars;potass;vitamins;shelf;weight;cups;rating
String;Categorical;Categorical;Int;Int;Int;Int;Float;Float;Int;Int;Int;Int;Float;Float;Float
aluna1740@ironhide:~/Documents/Csv$ tail -n 2 cereal.csv
Wheaties;G;C;100;3;1;200;3;17;3;110;25;1;1;1;51.592193
Wheaties Honey Gold;G;C;110;2;1;200;1;16;8;60;25;1;1;0.75;36.187559
aluna1740@ironhide:~/Documents/Csv$
```

Question 2

```
aluna1740@ironhide:~/Documents/Csv$ cut -d ";" -f1 cars.csv
```

```
Car
STRING
Chevrolet Chevelle Malibu
Buick Skylark 320
Plymouth Satellite
AMC Rebel SST
Ford Torino
Ford Galaxie 500
Chevrolet Impala
Plymouth Fury iii
Pontiac Catalina
AMC Ambassador DPL
Citroen DS-21 Pallas
Chevrolet Chevelle Concours (sw)
Ford Torino (sw)
Plymouth Satellite (sw)
AMC Rebel SST (sw)
Dodge Challenger SE
Plymouth 'Cuda 340
Ford Mustang Boss 302
Chevrolet Monte Carlo
Buick Estate Wagon (sw)
Toyota Corolla Mark ii
Plymouth Duster
AMC Hornet
Ford Maverick
Datsun PL510
Volkswagen 1131 Deluxe Sedan
Peugeot 504
Audi 100 LS
Saab 99e
BMW 2002
AMC Gremlin
```

```
aluna1740@ironhide:~/Documents/Csv$ cut -d ";" -f1,3 cars.csv
```

```
Car;Cylinders
STRING;INT
Chevrolet Chevelle Malibu;8
Buick Skylark 320;8
Plymouth Satellite;8
AMC Rebel SST;8
Ford Torino;8
Ford Galaxie 500;8
Chevrolet Impala;8
Plymouth Fury iii;8
Pontiac Catalina;8
AMC Ambassador DPL;8
Citroen DS-21 Pallas;4
Chevrolet Chevelle Concours (sw);8
Ford Torino (sw);8
Plymouth Satellite (sw);8
AMC Rebel SST (sw);8
Dodge Challenger SE;8
Plymouth 'Cuda 340;8
Ford Mustang Boss 302;8
Chevrolet Monte Carlo;8
Buick Estate Wagon (sw);8
```

```
Buick Estate Wagon (sw);8
Toyota Corolla Mark ii;4
Plymouth Duster;6
AMC Hornet;6
Ford Maverick;6
Datsun PL510;4
Volkswagen 1131 Deluxe Sedan;4
Peugeot 504;4
Audi 100 LS;4
Saab 99e;4
BMW 2002;4
AMC Gremlin;6
Ford F250;8
```

```
aluna1740@ironhide:~/Documents/Csv$ cut -d ";" -f1,3 cars.csv | sed 's/;/= /g'
```

```
Car= Cylinders
STRING= INT
Chevrolet Chevelle Malibu= 8
Buick Skylark 320= 8
Plymouth Satellite= 8
AMC Rebel SST= 8
Ford Torino= 8
Ford Galaxie 500= 8
Chevrolet Impala= 8
Plymouth Fury iii= 8
Pontiac Catalina= 8
AMC Ambassador DPL= 8
Citroen DS-21 Pallas= 4
Chevrolet Chevelle Concours (sw)= 8
Ford Torino (sw)= 8
Plymouth Satellite (sw)= 8
AMC Rebel SST (sw)= 8
Dodge Challenger SE= 8
Plymouth 'Cuda 340= 8
Ford Mustang Boss 302= 8
Chevrolet Monte Carlo= 8
Buick Estate Wagon (sw)= 8
Toyota Corolla Mark ii= 4
Plymouth Duster= 6
AMC Hornet= 6
Ford Maverick= 6
Datsun PL510= 4
Volkswagen 1131 Deluxe Sedan= 4
Peugeot 504= 4
```

```
aluna1740@ironhide:~/Documents/Csv$ sort cars.csv
AMC Ambassador Brougham;13.0;8;360.0;175.0;3821.;11.0;73;US
AMC Ambassador DPL;15.0;8;390.0;190.0;3850.;8.5;70;US
AMC Ambassador SST;17.0;8;304.0;150.0;3672.;11.5;72;US
AMC Concord;19.4;6;232.0;90.00;3210.;17.2;78;US
AMC Concord;24.3;4;151.0;90.00;3003.;20.1;80;US
AMC Concord d/l;18.1;6;258.0;120.0;3410.;15.1;78;US
AMC Concord DL;23.0;4;151.0;0;3035.;20.5;82;US
AMC Concord DL 6;20.2;6;232.0;90.00;3265.;18.2;79;US
AMC Gremlin;18.0;6;232.0;100.0;2789.;15.0;73;US
AMC Gremlin;19.0;6;232.0;100.0;2634.;13.0;71;US
AMC Gremlin;20.0;6;232.0;100.0;2914.;16.0;75;US
AMC Gremlin;21.0;6;199.0;90.00;2648.;15.0;70;US
AMC Hornet;18.0;6;199.0;97.00;2774.;15.5;70;US
AMC Hornet;18.0;6;232.0;100.0;2945.;16.0;73;US
AMC Hornet;19.0;6;232.0;100.0;2901.;16.0;74;US
AMC Hornet;22.5;6;232.0;90.00;3085.;17.6;76;US
AMC Hornet Sportabout (sw);18.0;6;258.0;110.0;2962.;13.5;71;US
AMC Matador;14.0;8;304.0;150.0;3672.;11.5;73;US
AMC Matador;15.0;6;258.0;110.0;3730.;19.0;75;US
AMC Matador;15.5;8;304.0;120.0;3962.;13.9;76;US
AMC Matador;16.0;6;258.0;110.0;3632.;18.0;74;US
AMC Matador;18.0;6;232.0;100.0;3288.;15.5;71;US
AMC Matador (sw);14.0;8;304.0;150.0;4257.;15.5;74;US
AMC Matador (sw);15.0;8;304.0;150.0;3892.;12.5;72;US
AMC Pacer;19.0;6;232.0;90.00;3211.;17.0;75;US
AMC Pacer d/l;17.5;6;258.0;95.00;3193.;17.8;76;US
AMC Rebel SST;16.0;8;304.0;150.0;3433.;12.0;70;US
AMC Rebel SST (sw);0;8;360.0;175.0;3850.;11.0;70;US
AMC Spirit DL;27.4;4;121.0;80.00;2670.;15.0;79;US
Audi 100LS;20.0;4;114.0;91.00;2582.;14.0;73;Europe
Audi 100LS;23.0;4;115.0;95.00;2694.;15.0;75;Europe
Audi 100 LS;24.0;4;107.0;90.00;2430.;14.5;70;Europe
Audi 4000;34.3;4;97.00;78.00;2188.;15.8;80;Europe
Audi 5000;20.3;5;131.0;103.0;2830.;15.9;78;Europe
```

```
aluna1740@ironhide:~/Documents/Csv$ sort -t ';' -k4,4n cereal.csv
name;mfr;type;calories;protein;fat;sodium;fiber;carbo;sugars;vitamins;shelf;weight;cups;rating
String;Categorical;Categorical;Int;Int;Int;Int;Int;Float;Float;Int;Int;Int;Int;Float;Float;Float
All-Bran with Extra Fiber;K;C;50;4;0;140;14;8;0;330;25;3;1;0.5;93.704912
Puffed Rice;Q;C;50;1;0;0;0;13;0;15;0;3;0.5;1;60.756112
Puffed Wheat;Q;C;50;2;0;0;1;10;0;50;0;3;0.5;1;63.005645
100% Bran;N;C;70;4;1;130;10;5;6;280;25;3;1;0.33;68.402973
All-Bran;K;C;70;4;1;260;9;7;5;320;25;3;1;0.33;59.425505
Shredded Wheat;N;C;80;2;0;0;3;16;0;95;0;1;0.83;1;68.235885
Bran Chex;R;C;90;2;1;200;4;15;6;125;25;1;1;0.67;49.120253
Bran Flakes;P;C;90;3;0;210;5;13;5;190;25;3;1;0.67;53.313813
Nutri-grain Wheat;K;C;90;3;0;170;3;18;2;90;25;3;1;1;59.642837
Raisin Squares;K;C;90;2;0;0;2;15;6;110;25;3;1;0.5;55.333142
Shredded Wheat 'n'Bran;N;C;90;3;0;0;4;19;0;140;0;1;1;0.67;74.472949
Shredded Wheat spoon size;N;C;90;3;0;0;3;20;0;120;0;1;1;0.67;72.801787
Strawberry Fruit W heats;N;C;90;2;0;15;3;15;5;90;25;2;1;1;59.363993
Corn Flakes;K;C;100;2;0;290;1;21;2;35;25;1;1;1;45.863324
Cream of Wheat (Quick);N;H;100;3;0;80;1;21;0;-1;0;2;1;1;64.533816
Crispy Wheat & Raisins;G;C;100;2;1;140;2;11;10;120;25;3;1;0.75;36.176196
Double Chex;R;C;100;2;0;190;1;18;5;80;25;3;1;0.75;44.330856
Frosted Mini-Wheats;K;C;100;3;0;0;3;14;7;100;25;2;1;0.8;58.345141
Golden Crisp;P;C;100;2;0;45;0;11;15;40;25;1;1;0.88;35.252444
Grape Nuts Flakes;P;C;100;3;1;140;3;15;5;85;25;3;1;0.88;52.076897
Life;Q;C;100;4;2;150;2;12;6;95;25;2;1;0.67;45.328074
Maypo;A;H;100;4;1;0;0;16;3;95;25;2;1;1;54.850917
Multi-Grain Cheerios;G;C;100;2;1;220;2;15;6;90;25;1;1;1;40.105965
Product 19;K;C;100;3;0;320;1;20;3;45;100;3;1;1;41.503540
Quaker Oatmeal;Q;H;100;5;2;0;2.7;-1;-1;110;0;1;1;0.67;50.828392
Quaker Oat Squares;Q;C;100;4;1;135;2;14;6;110;25;3;1;0.5;49.511874
Raisin Nut Bran;G;C;100;3;2;140;2.5;10.5;8;140;25;3;1;0.5;39.703400
Total Whole Grain;G;C;100;3;1;200;3;16;3;110;100;3;1;1;46.658844
Wheat Chex;R;C;100;3;1;230;3;17;3;115;25;1;1;0.67;49.787445
Wheaties;G;C;100;3;1;200;3;17;3;110;25;1;1;1;51.592193
```

Question 3


```
aluna1740@ironhide:~/Documents/Books$ ls
bible.txt dracula.txt great-expectations.txt pride-and-prejudice.txt war-and-peace.txt
aluna1740@ironhide:~/Documents/Books$ grep "War" war-and-peace.txt
The Project Gutenberg eBook of War and Peace, by Leo Tolstoy
Title: War and Peace
the Minister of War."
in to the Minister of War. Five minutes later he returned and bowing
corridor to the cabinet where the Minister of War was at work. The
narrowed disdainfully, he entered the room of the Minister of War with
interested the Minister of War less than any of the other matters he was
indifferent hands of the Minister of War and the polite adjutant. The
engagement and his reception by the Minister of War.
the Minister of War but also his Most August Majesty the Emperor and
invincibility of the French, and the Minister of War does not even care
to the Emperor Francis; he remembered the Minister of War, the polite
his own house. The Minister of War came up and congratulated him on the
That same night, having taken leave of the Minister of War, Bolkónski
Austrian Council of War at which Suvórov crowed like a cock in reply to
Warmed by the spring sunshine he sat in the calèche looking at the new
Minister of War, Count Arakchéev.
"He is Minister of War, a man trusted by the Emperor, and I need not
of War needlessly deviating."
War's anteroom).
which would take them to the Warsaw highroad, and from there they would
the good of that? War is my profession, but his business is to reign
the Minister of War and went to join the army in Moldavia. While in
of War; Count Bennigsen, the senior general in rank; the Grand Duke
without knowing why. War is not courtesy but the most horrible thing in
The Council of War began to assemble at two in the afternoon in the
than that. We took Vienna, Berlin, Madrid, Naples, Rome, Warsaw, all
"The path to Warsaw, perhaps," Prince Hippolyte remarked loudly and
had first wanted to effect a diversion in Greece and then in Warsaw but
```

```
aluna1740@ironhide:~/Documents/Books$ grep -i "War" war-and-peace.txt
The Project Gutenberg eBook of War and Peace, by Leo Tolstoy
Title: War and Peace
*** START OF THE PROJECT GUTENBERG EBOOK WAR AND PEACE ***
WAR AND PEACE
Buonapartes. But I warn you, if you don't tell me that this means war,
things, but Austria never has wished, and does not wish, for war. She
Pávlovna's hand and for some reason drawing it downwards. "Arrange
to get himself killed. Tell me what this wretched war is for?" she
she moved toward Anna Pávlovna. Hélène was so lovely that not only
"You are off to the war, Prince?" said Anna Pávlovna.
* God has given it to me, let him who touches it beware!
more animated. "And believe me, they are reaping the reward of their
through his lorgnette, suddenly turned completely round toward the
Prince Andrew, who had evidently wished to tone down the awkwardness of
his kindly, simple, and modest expression. Anna Pávlovna turned toward
awkwardness or intentionally (no one could have said which) after the
to tell you. There is a war now against Napoleon. If it were a war for
wars," he said.
"Well, why are you going to the war?" asked Pierre.
wants to go to the war," replied Pierre, addressing the princess
without wars. How is it that we women don't want anything of the kind,
so to me? What have I done to you? You are going to the war and have no
he worked went step by step toward his goal. He was free, he had nothing
the enchanted circle I cannot escape from. I am now going to the war,
the greatest war there ever was, and I know nothing and am fit for
lad jumped awkwardly back into the room, tripping over his spurs.
present, suddenly pushed forward with a scared and angry look and wanted
Suddenly Dólokhov made a backward movement with his spine, and his arm
aware of a stir all around. He looked up: Dólokhov was standing on the
still in the drawing room, drew a chair toward him or her, and jauntily
bodice, with black curls tossed backward, thin bare arms, little legs
```

```
aluna1740@ironhide:~/Documents/Books$ grep -ic "War" war-and-peace.txt
1255
aluna1740@ironhide:~/Documents/Books$ grep -c "war" war-and-peace.txt
1219
aluna1740@ironhide:~/Documents/Books$ grep -c "War" war-and-peace.txt
29
aluna1740@ironhide:~/Documents/Books$
```

```
aluna1740@ironhide:~/Documents/Books$ grep -icw "war" war-and-peace.txt
293
aluna1740@ironhide:~/Documents/Books$ grep -iw "war" war-and-peace.txt
The Project Gutenberg eBook of War and Peace, by Leo Tolstoy
Title: War and Peace
*** START OF THE PROJECT GUTENBERG EBOOK WAR AND PEACE ***
WAR AND PEACE
Buonapartes. But I warn you, if you don't tell me that this means war,
things, but Austria never has wished, and does not wish, for war. She
to get himself killed. Tell me what this wretched war is for?" she
"You are off to the war, Prince?" said Anna Pávlovna.
to tell you. There is a war now against Napoleon. If it were a war for
"Well, why are you going to the war?" asked Pierre.
wants to go to the war," replied Pierre, addressing the princess
so to me? What have I done to you? You are going to the war and have no
the enchanted circle I cannot escape from. I am now going to the war,
the greatest war there ever was, and I know nothing and am fit for
"But they say that war has been declared," replied the visitor.
of the war that had been announced in a manifesto, and about the
sir, for shame! It would be better if you went to the war."
The old man told them that the declaration of war had already appeared
aluna1740@ironhide:~/Documents/Books$ grep -n "^peace" war-and-peace.txt
5542:peace. The old man was beside himself: moved the chair on which he was
20046:peace."
26471:peace." But however much they left her in peace she could not now be
33900:peace so long as a single armed enemy remained on Russian soil and told
34397:peace with you. As for the Swedes—it is their fate to be governed by
35057:peace nor war, neither an advance nor a defensive camp at the Drissa
36617:peace and the abolition of war, and secondly, by the fact that when he
44768:peaceful, and glorious fatherland, I should have proclaimed
51593:peace arising from consciousness of having stifled those personal dreams
58824:peace, he said: There can be no peace, for such is the people's will. He
59768:peaceful refuge where he could recover himself, rest, and think over
aluna1740@ironhide:~/Documents/Books$
```

```
aluna1740@ironhide:~/Documents/Books$ grep -n "^The" war-and-peace.txt
972:The prince was silent and looked indifferent. But, with the womanly and
982:The prince bowed to signify his respect and gratitude.
1004:The prince answered nothing, but she looked at him significantly,
1081:The Abbé Morio and many others had also come.
1102:The young Princess Bolkónskaya had brought some work in a
1118:The little princess went round the table with quick, short, swaying
1221:The third group was gathered round Mortemart and Anna Pávlovna.
1223:The vicomte was a nice-looking young man with soft features and polished
1240:The vicomte bowed and smiled courteously in token of his willingness to
1251:The vicomte wished to begin his story and gave a subtle smile.
1257:The princess smiled. She rose with the same unchanging smile with which
1279:The princess rested her bare round arm on a little table and considered
1289:The little princess had also left the tea table and followed Hélène.
1295:There was a general movement as the princess, smiling and talking
1332:The vicomte told his tale very neatly. It was an anecdote, then current,
1340:The story was very pretty and interesting, especially at the point
1351:The vicomte appreciated this silent praise and smiling gratefully
1483:The elderly lady was a Princess Drubetskáya, belonging to one of the
1605:The princess listened, smiling.
1677:The vicomte merely shrugged his shoulders. Pierre looked solemnly at his
1756:The vicomte who was meeting him for the first time saw clearly that
1897:The princess, picking up her dress, was taking her seat in the dark
1907:The postilion started, the carriage wheels rattled. Prince Hippolyte
2002:The rustle of a woman's dress was heard in the next room. Prince
2020:The princess started. Evidently Pierre's words touched her to the
2072:The princess blushed, and raised her arms with a gesture of despair.
2079:The princess said nothing, but suddenly her short downy lip quivered.
2139:The friends were silent. Neither cared to begin talking. Pierre
2145:They entered the elegant, newly decorated, and luxurious dining room.
2380:The bottle of rum was brought. The window frame which prevented anyone
2430:The Englishman nodded, but gave no indication whether he intended to
2503:The Englishman took out his purse and began counting out the money.
2520:They seized him by his arms; but he was so strong that everyone who
2563:The countess was a woman of about forty-five, with a thin Oriental type
```

```
aluna1740@ironhide:~/Documents/Books$ grep -wi "\blove\b" *.txt
bible.txt:Genesis 27:4 And make me savory meat, such as I love, and bring it to me, that I may eat; that my soul may bless thee before I die.
bible.txt:Genesis 29:20 And Jacob served seven years for Rachel; and they seemed unto him but a few days, for the love he had to her.
bible.txt:Genesis 29:32 And Leah conceived, and bare a son, and she called his name Reuben: for she said, Surely the LORD hath looked upon my affliction; now therefore my husband will love me.
bible.txt:Exodus 20:6 And showing mercy unto thousands of them that love me, and keep my commandments.
bible.txt:Exodus 21:5 And if the servant shall plainly say, I love my master, my wife, and my children; I will not go out free:
bible.txt:Leviticus 19:18 Thou shalt not avenge, nor bear any grudge against the children of thy people, but thou shalt love thy neighbor as thyself: I am the LORD.
bible.txt:Leviticus 19:34 But the stranger that dwelleth with you shall be unto you as one born among you, and thou shalt love him as thyself; for ye were strangers in the land of Egypt: I am the LORD your God.
bible.txt:Deuteronomy 5:10 And showing mercy unto thousands of them that love me and keep my commandments.
bible.txt:Deuteronomy 6:5 And thou shalt love the LORD thy God with all thine heart, and with all thy soul, and with all thy might.
bible.txt:Deuteronomy 7:7 The LORD did not set his love upon you, nor choose you, because ye were more in number than any people; for ye were the fewest of all people:
bible.txt:Deuteronomy 7:9 Know therefore that the LORD thy God, he is God, the faithful God, which keepeth covenant and mercy with them that love him and keep his commandments to a thousand generations;
bible.txt:Deuteronomy 7:13 And he will love thee, and bless thee, and multiply thee: he will also bless the fruit of thy womb, and the fruit of thy land, thy corn, and thy wine, and thine oil, the increase of thy kine, and the flocks of thy sheep, in the land which he swore unto thy fathers to give thee.
bible.txt:Deuteronomy 10:12 And now, Israel, what doth the LORD thy God require of thee, but to fear the LORD thy God, to walk in all his ways, and to love him, and to serve the LORD thy God with all thy heart and with all thy soul,
bible.txt:Deuteronomy 10:15 Only the LORD had a delight in thy fathers to love them, and he chose their seed after them, even you above all people, as it is this day.
bible.txt:Deuteronomy 10:19 Love ye therefore the stranger: for ye were strangers in the land of Egypt.
bible.txt:Deuteronomy 11:1 Therefore thou shalt love the LORD thy God, and keep his charge, and his statutes, and his judgments, and his commandments, always.
bible.txt:Deuteronomy 11:13 And it shall come to pass, if ye shall hearken diligently unto my commandments which I command you this day, to love the LORD your God, and to serve him with all your heart and with all your soul,
bible.txt:Deuteronomy 11:22 For if ye shall diligently keep all these commandments which I command you, to do them, to love the LORD your God, to walk in all his ways, and to cleave unto him;
bible.txt:Deuteronomy 13:3 Thou shalt not hearken unto the words of that prophet, or that dreamer of dreams: for the LORD your God proveth you, to know whether ye love the LORD your God with all your heart and with all your soul.
bible.txt:Deuteronomy 19:9 If thou shalt keep all these commandments to do them, which I command thee this day, to love the LORD thy God, and to walk ever in his ways; then shalt thou add three cities more for thee, beside these three:
```



```
aluna1740@ironhide:~/Documents/Books$ grep -wl "love" *.txt
bible.txt:Genesis 27:4 And make me savory meat, such as I love, and bring it to me, that I may eat; that my soul may bless thee before I die.
bible.txt:Genesis 29:20 And Jacob served seven years for Rachel; and they seemed unto him but a few days, for the love he had to her.
bible.txt:Genesis 29:32 And Leah conceived, and bare a son, and she called his name Reuben: for she said, Surely the LORD hath looked upon my affliction; now therefore my husband will love me.
bible.txt:Exodus 20:6 And showing mercy unto thousands of them that love me, and keep my commandments.
bible.txt:Exodus 21:5 And if the servant shall plainly say, I love my master, my wife, and my children; I will not go out free:
bible.txt:Leviticus 19:18 Thou shalt not avenge, nor bear any grudge against the children of thy people, but thou shalt love thy neighbor as thyself: I am the LORD.
bible.txt:Leviticus 19:34 But the stranger that dwelleth with you shall be unto you as one born among you, and thou shalt love him as thyself; for ye were strangers in the land of Egypt: I am the LORD your God.
bible.txt:Deuteronomy 5:10 And showing mercy unto thousands of them that love me and keep my commandments.
bible.txt:Deuteronomy 6:5 And thou shalt love the LORD thy God with all thine heart, and with all thy soul, and with all thy might.
bible.txt:Deuteronomy 7:7 The LORD did not set his love upon you, nor choose you, because ye were more in number than any people; for ye were the fewest of all people:
bible.txt:Deuteronomy 7:9 Know therefore that the LORD thy God, he is God, the faithful God, which keepeth covenant and mercy with them that love him and keep his commandments to a thousand generations;
bible.txt:Deuteronomy 7:13 And he will love thee, and bless thee, and multiply thee: he will also bless the fruit of thy womb, and the fruit of thy land, thy corn, and thy wine, and thine oil, the increase of thy kine, and the flocks of thy sheep, in the land which he swore unto thy fathers to give thee.
bible.txt:Deuteronomy 10:12 And now, Israel, what doth the LORD thy God require of thee, but to fear the LORD thy God, to walk in all his ways, and to love him, and to serve the LORD thy God with all thy heart and with all thy soul,
bible.txt:Deuteronomy 10:15 Only the LORD had a delight in thy fathers to love them, and he chose their seed after them, even you above all people, as it is this day.
bible.txt:Deuteronomy 10:19 Love ye therefore the stranger: for ye were strangers in the land of Egypt.
bible.txt:Deuteronomy 11:1 Therefore thou shalt love the LORD thy God, and keep his charge, and his statutes, and his judgments, and his commandments, always.
bible.txt:Deuteronomy 11:13 And it shall come to pass, if ye shall hearken diligently unto my commandments which I command you this day, to love the LORD your God, and to serve him with all your heart and with all your soul
```

```
aluna1740@ironhide:~/Documents/Books$ grep -no "[a-z][a-z][a-z]d" *.txt
```

```
bible.txt:52:losed
bible.txt:80:laced
bible.txt:109:lived
bible.txt:111:lived
bible.txt:112:lived
bible.txt:113:lived
bible.txt:115:lived
bible.txt:116:lived
bible.txt:118:lived
bible.txt:119:lived
bible.txt:121:lived
bible.txt:122:lived
bible.txt:124:lived
bible.txt:125:lived
bible.txt:127:lived
bible.txt:131:lived
bible.txt:132:lived
bible.txt:134:lived
bible.txt:136:lived
bible.txt:234:lived
bible.txt:278:lived
bible.txt:279:lived
bible.txt:280:lived
bible.txt:281:lived
bible.txt:282:lived
bible.txt:283:lived
bible.txt:284:lived
bible.txt:285:lived
bible.txt:286:lived
bible.txt:287:lived
bible.txt:288:lived
bible.txt:289:lived
```

```
war-and-peace.txt:63544:loved
war-and-peace.txt:63747:loved
war-and-peace.txt:65151:lived
war-and-peace.txt:65204:lived
```

```
aluna1740@ironhide:~/Documents/Books$ grep -no "\b[a-z][a-z][a-z]d\b" *.txt
```

```
war-and-peace.txt:does
war-and-peace.txt:days
war-and-peace.txt:data
war-and-peace.txt:disk
war-and-peace.txt:days
war-and-peace.txt:date
```

```
aluna1740@ironhide:~/Documents/Books$ grep -o "\bd[a,e,i,o,u][a-z][a-z]\b" *.txt
```

```
aluna1740@ironhide:~/Documents/Books$ grep -i "aa" dracula.txt
help me deck the room with my garlic, which is all the way from Haarlem,
Haarlem. To-night Dr. Van Helsing is going away, as he has to be for a
```

```
aluna1740@ironhide:~/Documents/Books$ grep -i "aa" dracula.txt
help me deck the room with my garlic, which is all the way from Haarlem,
Haarlem. To-night Dr. Van Helsing is going away, as he has to be for a
aluna1740@ironhide:~/Documents/Books$ grep -o "\b[a-zA-Z]*aa[a-zA-Z]*\b" dracula.txt
Haarlem
Haarlem
aluna1740@ironhide:~/Documents/Books$
```