Apache Pig Result:

Q1:

```
(rydpumqpqphlkz,61)
grunt>
```

Q2:

```
(49978,bhedunlsgtkxhfwhlnc,8399.706,121,59680.347549999984,1.0)
(49979,bqobzplqwdlkzkgljnm,2972.3472,102,52007.71514399998,1.0)
(49980,ipevwismrbnbhfyabb,2408.1938,104,50597.05790300001,1.0)
(49981,vxrdkhkzeefpsqhm,6950.1567,95,50113.58919,1.0)
(49982,lvdlhzusplktijuu,491.56042,105,55637.256975,1.0)
(49983,dblehrekmcmjacgdwnkf,1341.0266,96,52123.92244500001,1.0)
(49984,rzxzkzrpzyrlopcaamr,5508.436,121,63356.837773,1.0)
(49985,xjmnumappffjrxzrcrv,2572.4434,103,50526.574673,1.0)
(49986,kcxtaaubwehdqoxz,4798.501,92,45216.10576300003,1.0)
(49987,dajikbdhtupnql,9730.993,101,52072.79004400002,1.0)
(49988,yesmyxrocx,9038.617,104,55511.5561945,1.0)
(49989,gbhwdkppjjaderbi,1289.8586,113,50874.778047,1.0)
(49990,awzuynrnlymdmhkgesa,1482.1812,83,39796.00185800001,1.0)
(49991,rhtqufwwcd,9068.349,113,51840.20754199998,1.0)
(49992,ldczcxdhpbdavnpzygq,1304.3083,116,62513.084262,1.0)
(49993,xirkpxkvtxvkg,9373.667,101,52024.393969,1.0)
(49994,aarsmzksapzjzkvi,9067.356,97,45918.589756999994,1.0)
(49995,ejvgrtxzsbj,615.08734,93,44966.816772,1.0)
(49996,ymvwpxzzfte,7669.0835,104,55537.18777200001,1.0)
(49997,hkxnjyaryusqmejqbq,5103.501,103,52181.46112300001,1.0)
(49998,noareawsgepxx,4394.5376,107,52631.20333399999,1.0)
(49999,wayncnlshrhkvbhxrrvl,3227.5674,109,51705.62347600001,1.0)
(50000,krwthcsseja,1104.4314,100,57125.170135000015,1.0)
grunt>
```

Q3:

```
(1,5030)
(7,5104)
(8,5069)
(9,5041)
(10,5032)
grunt>
```

Q4:

```
([10,20),male,10.005428,999.9894,504.51804015765396)
([10,20),female,10.000413,999.9956,504.933523003898)
([20,30),male,10.003423,999.9935,505.463746614083)
([20,30),female,10.00537,999.9995,504.1149522571027)
([30,40),male,10.000059,999.99774,505.0768004986332)
([30,40),female,10.001947,999.9962,504.16785802188025)
([40,50),male,10.000177,999.9997,504.6406830265026)
([40,50),female,10.000531,999.99725,504.63568475728084)
([50,60),male,10.000649,999.999,504.5931403406608)
([50,60),female,10.00177,999.99896,505.2781205905489)
([60,70],male,10.002538,999.9993,505.20377595861856)
([60,70],female,10.000177,999.9999,504.3157748849071)
```