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Course: **CS 211**

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QA Document for Assignment 4 – **Stable Marriage**

When retrieving the **short.dat** file, it states that the overall mean choice of **1.5** for **men** is lower compared to **women's 1.75**.

```
What is the input file? short.dat
```

```
Matches for men
```

```
Name          Choice  Partner
```

```
-----  
Man 0          1      Woman 3
```

```
Man 1          2      Woman 2
```

```
Man 2          1      Woman 1
```

```
Man 3          2      Woman 0
```

```
Mean choice = 1.5
```

```
Matches for women
```

```
Name          Choice  Partner
```

```
-----  
Woman 0        1      Man 3
```

```
Woman 1        2      Man 2
```

```
Woman 2        2      Man 1
```

```
Woman 3        2      Man 0
```

```
Mean choice = 1.75
```

When retrieving the **stable.dat** file we get, however, the opposite data. In this case the mean choice of **6.34 (rounded)** for **men** is higher compared to **women's 2.94 (rounded)**.

```
What is the input file? stable.dat

Matches for men
Name          Choice  Partner
-----
Joe           --      nobody
Kevin         5       Susan
Arnold        4       Yvette
Herbert       5       Mary
David         16      Farah
Brett         5       Angie
Arun          10      Jane
Andres        21      Debbie
John          7       Eleanor
Ted           3       Irene
Craig         5       Crystal
Matthew       4       Sylvia
Seth          6       Robyn
Cliff         --      nobody
Adrian        11      Nichole
William       6       Rachana
Martin        2       Helena
Brian         5       Althea
Edward        1       Moon-Star
Scott         --      nobody
Sean          6       Mary-Beth
Kirk          2       Maria
Norman        10      Tessa
Michael       2       Mary-Anne
Jason         --      nobody
Tom           2       Marla
Patrick       3       Jennifer
Mark          7       Stephanie
Gil           4       Caroline
Jeff          2       Maude
Rich          1       Lucy
Derrick       --      nobody
Curtis        14      Anna
Eric          6       Tara
Nick          2       Jean
Ramon         12      Kim
Robert        2       Wendy
Charles       13      Trudy
Steve         9       Elizabeth
Carlos        9       Julie
Mean choice = 6.3428571428571425
|
```

Matches for women

Name	Choice	Partner
Jane	7	Arun
Mary-Anne	1	Michael
Elizabeth	1	Steve
Eleanor	1	John
Trudy	1	Charles
Maria	1	Kirk
Helena	2	Martin
Crystal	1	Craig
Susan	3	Kevin
Robyn	5	Seth
Moon-Star	5	Edward
Debbie	3	Andres
Nichole	2	Adrian
Jennifer	9	Patrick
Stephanie	2	Mark
Mary	1	Herbert
Tara	2	Eric
Rachana	5	William
Farah	2	David
Yvette	1	Arnold
Anna	7	Curtis
Irene	6	Ted
Sylvia	2	Matthew
Caroline	4	Gil
Wendy	2	Robert
Marla	2	Tom
Kim	3	Ramon
Angie	3	Brett
Tessa	1	Norman
Althea	1	Brian
Lucy	2	Rich
Julie	2	Carlos
Jean	1	Nick
Maude	3	Jeff
Mary-Beth	9	Sean
Mean choice = 2.942857142857143		