

Task 3 and 6 Screenshots

Console	Summary	Data Table	Bar Chart	Line Chart	
Year	Rank	Occurrences	Percentage		
2000	889	177	0.009754		
2001	932	167	0.009283		
2002	769	224	0.012478		
2003	756	236	0.012929		
2004	759	240	0.013085		
2005	898	201	0.010892		
2006	785	264	0.013906		
2007	936	212	0.011045		
2010	972	203	0.011451		

Team T_30: Popular Names

Task Zero Reporting 1 Reporting 2 Reporting 3 Application1 Application 2 Application 3

Task #3: Popularity of names(data reporting)
Generate a report in response to the queries on the popularity of a name over a given period.

Inputs

Start Year of interest	2000
End Year of interest	2010
Name of interest	Ronaldo
Gender of interest	M

Data Display Format: Summary Data Table Bar Chart Line Chart

Generate Results!

Console Summary Data Table Bar Chart Line Chart

The year when the name Ronaldo was most popular is 2006 at rank 785. In that year, the number of occurrences is 264, which represents 0.013906 of total male births in 2006.

Team T_30: Popular Names

Task Zero Reporting 1 Reporting 2 Reporting 3 Application1 Application 2 Application 3

Task #3: Popularity of names(data reporting)
Generate a report in response to the queries on the popularity of a name over a given period.

Inputs

Start Year of interest: 2000

End Year of interest: 2010

Name of interest: Ronaldo

Gender of interest: M

Data Display Format:

Summary Data Table Bar Chart Line Chart

Generate Results!

Console Summary Data Table Bar Chart Line Chart

The data reports will be visible in their respective tabs. Please click on the tabs to view.

Team T_30: Popular Names

Task Zero Reporting 1 Reporting 2 Reporting 3 Application1 Application 2 Application 3

Task #3: Popularity of names(data reporting)
Generate a report in response to the queries on the popularity of a name over a given period.

Inputs

Start Year of interest	1000
End Year of interest	3000
Name of interest	aaaaaaaaaaaaaaaaaaaaaa
Gender of interest	M

Data Display Format: Summary Data Table Bar Chart Line Chart

Console Summary Data Table Bar Chart Line Chart

Error: Invalid starting year. Please input an year between 1880 and 2019.
Error: Invalid end year. Please input an year between 1880 and 2019.
Error: Please enter a name containing 2 to 15 letters.

Generate Results!

Team T_30: Popular Names

Task Zero Reporting 1 Reporting 2 Reporting 3 Application1 Application 2 Application 3

Task #3: Popularity of names(data reporting)
Generate a report in response to the queries on the popularity of a name over a given period.

Inputs

Start Year of interest: aaa

End Year of interest: aaa

Name of interest: a

Gender of interest: a

Data Display Format: Summary Data Table Bar Chart Line Chart

Generate Results!

Console Summary Data Table Bar Chart Line Chart

Error: The starting year is not an integer. Please enter an integer.
Error: The end year is not an integer. Please enter an integer.
Error: Please enter the a valid gender, 'M' or 'F'.
Error: Please enter a name containing 2 to 15 letters.

Team T_30: Popular Names

Task Zero Reporting 1 Reporting 2 Reporting 3 Application1 Application 2 Application 3

Task #3: Popularity of names(data reporting)
Generate a report in response to the queries on the popularity of a name over a given period.

Inputs

Start Year of interest Range: 1880 to 2019

End Year of interest Range: 1880 to 2019

Name of interest Must be between 2 to 15 letters

Gender of interest Char: 'M' or 'F'

Data Display Format: Summary Data Table Bar Chart Line Chart

Generate Results!

Console Summary Data Table Bar Chart Line Chart

Error: The starting year is not an integer. Please enter an integer.
Error: The end year is not an integer. Please enter an integer.
Error: Please enter the a valid gender, 'M' or 'F'.
Error: Please enter a name containing 2 to 15 letters.
Error: Please choose one of the data reporting methods offered above.

Team T_30: Popular Names

Task Zero Reporting 1 Reporting 2 **Reporting 3** Application1 Application 2 Application 3

Task #3: Popularity of names(data reporting)
Generate a report in response to the queries on the popularity of a name over a given period.

Inputs

Start Year of interest Range: 1880 to 2019

End Year of interest Range: 1880 to 2019

Name of interest Must be between 2 to 15 letters

Gender of interest Char: 'M' or 'F'

Data Display Format: Summary Data Table Bar Chart Line Chart

Generate Results!

Console Summary Data Table Bar Chart Line Chart

Team T_30: Popular Names

Task Zero Reporting 1 Reporting 2 Reporting 3 Application1 Application 2 Application 3

Task #6: Prediction on Scores for Compatible Pairs (application)
Develop and implement an online service using empirical data to help make informed decisions on predicting scores for compatible pairs.

Inputs

Please enter your particulars:

Name	<input type="text" value="Name"/>
Year of Birth	<input type="text" value="Range: 1880 to 2019"/>
Gender	<input type="text" value="Char: 'M' or 'F'"/>
Age preference	<input type="text" value="''Younger'' or ''Older''"/>

Please enter your partner's particulars:

Name	<input type="text" value="Name"/>
Gender	<input type="text" value="Char: 'M' or 'F'"/>

Please select algorithm to perform prediction:

T6X1 or **T6X2**

On a scale of 1 to 10, indicate a variability allowance for the results:

Results

Console Summary Data Table Bar Chart **Line Chart**

Popularity of Ronaldo from 2000 to 2010

Year	Popularity
2000	180
2001	165
2002	225
2003	240
2004	245
2005	200
2006	265
2007	210
2010	205

● Occurance of name over the years

Console Summary Data Table Bar Chart Line Chart

Popularity of Ronaldo from 2000 to 2010

Name	Occurrences
2000	180
2001	170
2002	225
2003	240
2004	240
2005	200
2006	265
2007	210
2010	205

Task #6: Prediction on Scores for Compatible Pairs (application)
Develop and implement an online service using empirical data to help make informed decisions on predicting scores for compatible pairs.

Inputs

Please enter your particulars:

Name	<input type="text"/>
Year of Birth	Range: 1880 to 2019
Gender	Char: 'M' or 'F'
Age preference	"Younger" or "Older"

Please select algorithm to perform prediction:

T6X1 or T6X2

On a scale of 1 to 10, indicate a variability allowance for the results:

Results

Error: Please enter your name.
Error: Please enter your desired mate's name.

Team T_30: Popular Names

Task Zero Reporting 1 Reporting 2 Reporting 3 Application1 Application 2 Application 3

Task #6: Prediction on Scores for Compatible Pairs (application)
Develop and implement an online service using empirical data to help make informed decisions on predicting scores for compatible pairs.

Inputs

Please enter your particulars:

Name	<input type="text" value="Name"/>
Year of Birth	<input type="text" value="Range: 1880 to 2019"/>
Gender	<input type="text" value="Char: 'M' or 'F'"/>
Age preference	<input type="text" value="''Younger'' or ''Older''"/>

Please enter your partner's particulars:

Name	<input type="text" value="Name"/>
Gender	<input type="text" value="Char: 'M' or 'F'"/>

Please select algorithm to perform prediction:

or

On a scale of 1 to 10, indicate a variability allowance for the results:

Results

Error: The year of birth is not an integer. Please enter an integer.
Error: Please enter the a valid gender, 'M' or 'F'.
Error: Please enter the a valid gender, 'M' or 'F'.
Please enter 'Younger' or 'Older' as the age preference
Error: The variability allowance entered is not an integer. Please enter an integer.
Error: Please enter your name.
Error: Please enter your desired mate's name.

Team T_30: Popular Names

Task Zero Reporting 1 Reporting 2 Reporting 3 Application1 Application 2 Application 3

Task #6: Prediction on Scores for Compatible Pairs (application)
Develop and implement an online service using empirical data to help make informed decisions on predicting scores for compatible pairs.

Inputs

Please enter your particulars:

Name	John
Year of Birth	2001
Gender	M
Age preference	Younger

Please enter your partner's particulars:

Name	Sarah
Gender	M

Please select algorithm to perform prediction:

T6X1 or T6X2

On a scale of 1 to 10, indicate a variability allowance for the results: 3

Results

According to many astrologers, two individuals are more likely be partners if their names have a similar amount of popularity in the years they were born.

This links to the psychological working of the family of the individuals because they named them. 'The way people choose names tells a lot about their personality', said these astrologers.

[Skip to Results](#) [Next](#)

Team T_30: Popular Names

Task Zero Reporting 1 Reporting 2 Reporting 3 Application1 Application 2 Application 3

Task #6: Prediction on Scores for Compatible Pairs (application)
Develop and implement an online service using empirical data to help make informed decisions on predicting scores for compatible pairs.

Inputs

Please enter your particulars:

Name	<input type="text" value="John"/>
Year of Birth	<input type="text" value="2001"/>
Gender	<input type="text" value="M"/>
Age preference	<input type="text" value="Younger"/>

Please enter your partner's particulars:

Name	<input type="text" value="Sarah"/>
Gender	<input type="text" value="M"/>

Please select algorithm to perform prediction:

or

On a scale of 1 to 10, indicate a variability allowance for the results:

Results

The popularity of name in a particular year can be linked to its percentage.

Therefore, because you chose Younger as your preference, the algorithm calculated the average percentage of the name Sarah over the years lesser than 2001.

Team T_30: Popular Names

Task Zero Reporting 1 Reporting 2 Reporting 3 Application1 Application 2 Application 3

Task #6: Prediction on Scores for Compatible Pairs (application)
Develop and implement an online service using empirical data to help make informed decisions on predicting scores for compatible pairs.

Inputs

Please enter your particulars:

Name	John
Year of Birth	2001
Gender	M
Age preference	Younger

Please enter your partner's particulars:

Name	Sarah
Gender	M

Please select algorithm to perform prediction: or

On a scale of 1 to 10, indicate a variability allowance for the results:

Results

Average Percentage of Mate's Name = 0.0%.
Percentage of your name for year 2001= 1.05%.

The variability is then used to set the margin beyond which the compatibility is 0.0%. In this case, the variability is 3.0%. Therefore, the oScore is the percentage deviation of the popularity of your mate's name and the popularity of your name in the given variability range.

Your oScore = 65.09

You would be 65.09% compatible with your desired mate.

Team T_30: Popular Names

Task Zero Reporting 1 Reporting 2 Reporting 3 Application1 Application 2 **Application 3**

Task #6: Prediction on Scores for Compatible Pairs (application)
Develop and implement an online service using empirical data to help make informed decisions on predicting scores for compatible pairs.

Inputs

Please enter your particulars:

Name	<input type="text" value="John"/>	Please enter your partner's particulars:	
Year of Birth	<input type="text" value="2001"/>	Name	<input type="text" value="Sarah"/>
Gender	<input type="text" value="M"/>	Gender	<input type="text" value="M"/>
Age preference	<input type="text" value="Younger"/>		

Please select algorithm to perform prediction:

or

On a scale of 1 to 10, indicate a variability allowance for the results:

Results

Average % of mate's name: **0.0**

% of your name: **1.05**

oScore: **65.09**

Team T_30: Popular Names

Task Zero Reporting 1 Reporting 2 Reporting 3 Application1 Application 2 Application 3

Task #6: Prediction on Scores for Compatible Pairs (application)
Develop and implement an online service using empirical data to help make informed decisions on predicting scores for compatible pairs.

Inputs

Please enter your particulars:

Name	John
Year of Birth	Range: 1880 to 2019
Gender	Char: 'M' or 'F'
Age preference	"Younger" or "Older"

Please enter your partner's particulars:

Name	Sarah
Gender	Char: 'M' or 'F'

Please select algorithm to perform prediction:

T6X1 or T6X2

On a scale of 1 to 10, indicate a variability allowance for the results: Range: 1 to 10

Results

Alas! You are not compatible with your partner. You have a compatibility oScore of 0%.

Team T_30: Popular Names

Task Zero Reporting 1 Reporting 2 Reporting 3 Application1 Application 2 Application 3

Task #6: Prediction on Scores for Compatible Pairs (application)
Develop and implement an online service using empirical data to help make informed decisions on predicting scores for compatible pairs.

Inputs

Please enter your particulars:

Name	<input type="text" value="John"/>
Year of Birth	<input type="text" value="Range: 1880 to 2019"/>
Gender	<input type="text" value="Char: 'M' or 'F'"/>
Age preference	<input type="text" value="''Younger'' or ''Older''"/>

Please enter your partner's particulars:

Name	<input type="text" value="Mary"/>
Gender	<input type="text" value="Char: 'M' or 'F'"/>

Please select algorithm to perform prediction:

or

On a scale of 1 to 10, indicate a variability allowance for the results:

Results

Congratulations! You are compatible with your partner! You have a compatibility oScore of 100%.

Task 1 and 4 Screenshots

Team T_30: Popular Names

Task Zero Reporting 1 Reporting 2 Reporting 3 Application1 Application 2 Application 3

Task #1: Most Popular Names (data reporting)
Generate a report in response to the queries on the most popular names in a given year.

Inputs

Year of Interest Range : 1880 to 2019

N: top N most popular name to be reported Range: 1 to 10

Data Reporting Format Summary Data Table Bar Chart Pie Chart Line Chart

Data Reporting Results

Console Summary Data Table Bar Chart Pie Chart Line Chart

Compute Results!

Team T_30: Popular Names

Task Zero Reporting 1 Reporting 2 Reporting 3 Application1 Application 2 Application 3

Task #1: Most Popular Names (data reporting)
Generate a report in response to the queries on the most popular names in a given year.

Inputs

Year of Interest Range : 1880 to 2019

N: top N most popular name to be reported Range: 1 to 10

Data Reporting Format Summary Data Table Bar Chart Pie Chart Line Chart

Compute Results!

Data Reporting Results

Console Summary Data Table Bar Chart Pie Chart Line Chart

The year is blank! Please enter year
The top N most popular names to reported is blank! Please enter a value
Please Check or Select at Least One Form of Data Representation and Try Again!

Team T_30: Popular Names

Task Zero Reporting 1 Reporting 2 Reporting 3 Application1 Application 2 Application 3

Task #1: Most Popular Names (data reporting)
Generate a report in response to the queries on the most popular names in a given year.

Inputs

Year of Interest

N: top N most popular name to be reported

Data Reporting Format Summary Data Table Bar Chart Pie Chart Line Chart

Compute Results!

Data Reporting Results

Console Summary Data Table Bar Chart Pie Chart Line Chart

Enter the Correct Datatype for the Year. Enter a Number!
Enter the Correct Datatype for the N. Enter a Number!

Team T_30: Popular Names

Task Zero Reporting 1 Reporting 2 Reporting 3 Application1 Application 2 Application 3

Task #1: Most Popular Names (data reporting)
Generate a report in response to the queries on the most popular names in a given year.

Inputs

Year of Interest

N: top N most popular name to be reported

Data Reporting Format Summary Data Table Bar Chart Pie Chart Line Chart

Compute Results!

Data Reporting Results

Console Summary Data Table Bar Chart Pie Chart Line Chart

Enter data value in the range for the Year. It too small or too large!
Enter data value in the range for the N. It too small or too large!

Team T_30: Popular Names

Task Zero Reporting 1 Reporting 2 Reporting 3 Application1 Application 2 Application 3

Task #1: Most Popular Names (data reporting)
Generate a report in response to the queries on the most popular names in a given year.

Inputs

Year of Interest: 2000

N: top N most popular name to be reported: 5

Data Reporting Format: Summary Data Table Bar Chart Pie Chart Line Chart

Compute Results!

Data Reporting Results

Console **Summary** Data Table Bar Chart Pie Chart Line Chart

Male **Female**

Jacob is the most popular name with the number of occurrences of 34465, which represents 1.76% of total male births in 2000.

Emily is the most popular name with the number of occurrences of 25952, which represents 1.43% of total female births in 2000.

Team T_30: Popular Names

Task Zero Reporting 1 Reporting 2 Reporting 3 Application1 Application 2 Application 3

Task #1: Most Popular Names (data reporting)
Generate a report in response to the queries on the most popular names in a given year.

Inputs

Year of Interest	<input type="text" value="2000"/>
N: top N most popular name to be reported	<input type="text" value="5"/>
Data Reporting Format <input checked="" type="checkbox"/> Summary <input checked="" type="checkbox"/> Data Table <input checked="" type="checkbox"/> Bar Chart <input checked="" type="checkbox"/> Pie Chart <input checked="" type="checkbox"/> Line Chart	
<input style="width: 150px; height: 25px;" type="button" value="Compute Results!"/>	

Data Reporting Results

		Male				Female		
Rank	Name	Occurrences	Percentage	Rank	Name	Occurrences	Percentage	
1	Jacob	34465	1.76%	1	Emily	25952	1.43%	
2	Michael	32025	1.63%	2	Hannah	23073	1.27%	
3	Matthew	28569	1.46%	3	Madison	19967	1.10%	
4	Joshua	27531	1.40%	4	Ashley	17995	0.99%	
5	Christopher	24928	1.27%	5	Sarah	17687	0.97%	

Team T_30: Popular Names

Task Zero Reporting 1 Reporting 2 Reporting 3 Application1 Application 2 Application 3

Task #1: Most Popular Names (data reporting)
Generate a report in response to the queries on the most popular names in a given year.

Inputs

Year of Interest

N: top N most popular name to be reported

Data Reporting Format Summary Data Table Bar Chart Pie Chart Line Chart

Data Reporting Results

Console Summary Data Table **Bar Chart** Pie Chart Line Chart

Male

Top 5 Names (male) in 2000

Name	Occurrences
Jacob	~35,000
Michael	~32,000
Matthew	~29,000
Joshua	~28,000
Christopher	~25,000

Occurrences

Names

■ Male Occurrences

Female

Top 5 Names (female) in 2000

Name	Occurrences
Emily	~26,000
Hannah	~24,000
Madison	~20,000
Ashley	~18,000
Sarah	~18,000

Occurrences

Names

■ Female Occurrences

Team T_30: Popular Names

Task Zero Reporting 1 Reporting 2 Reporting 3 Application1 Application 2 Application 3

Task #1: Most Popular Names (data reporting)
Generate a report in response to the queries on the most popular names in a given year.

Inputs

Year of Interest	<input type="text" value="2000"/>
N: top N most popular name to be reported	<input type="text" value="6"/>

Data Reporting Format Summary Data Table Bar Chart Pie Chart Line Chart

Data Reporting Results

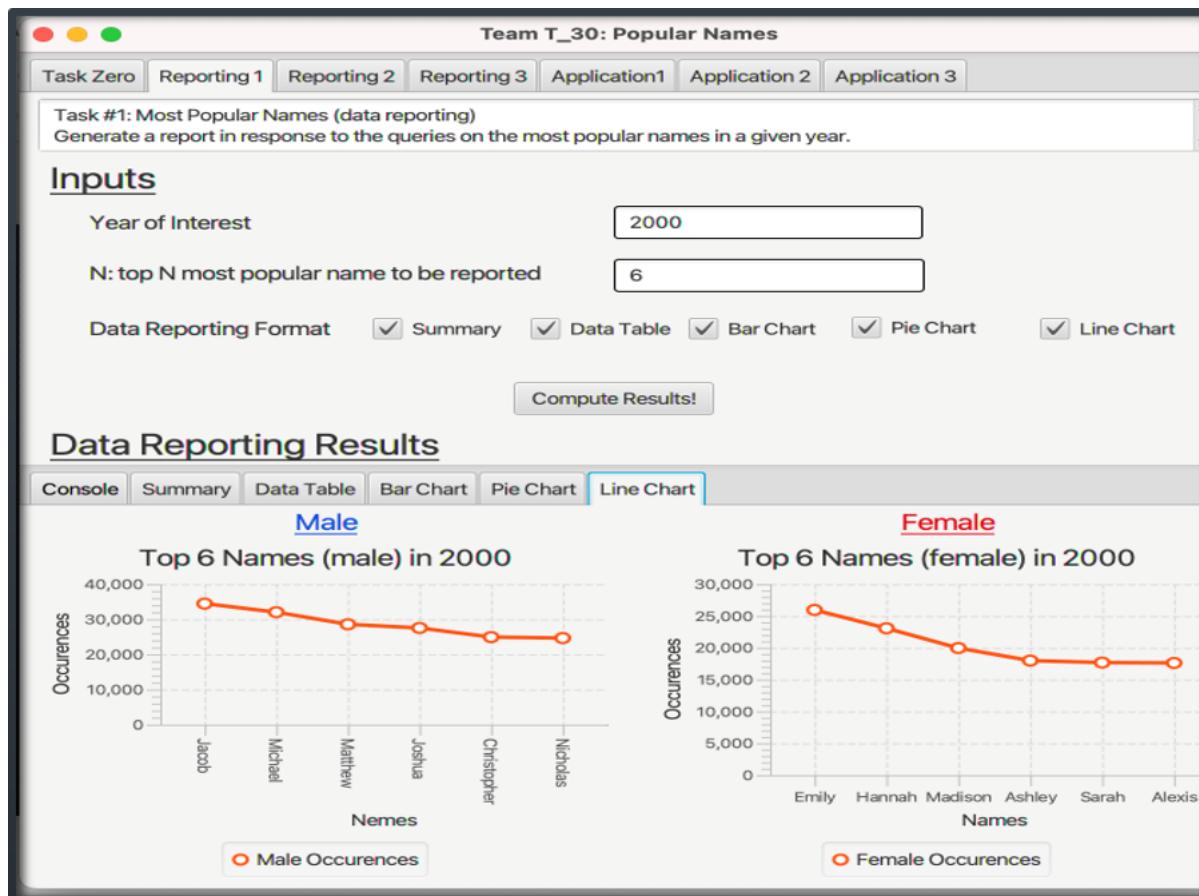
Console Summary Data Table Bar Chart **Pie Chart** Line Chart

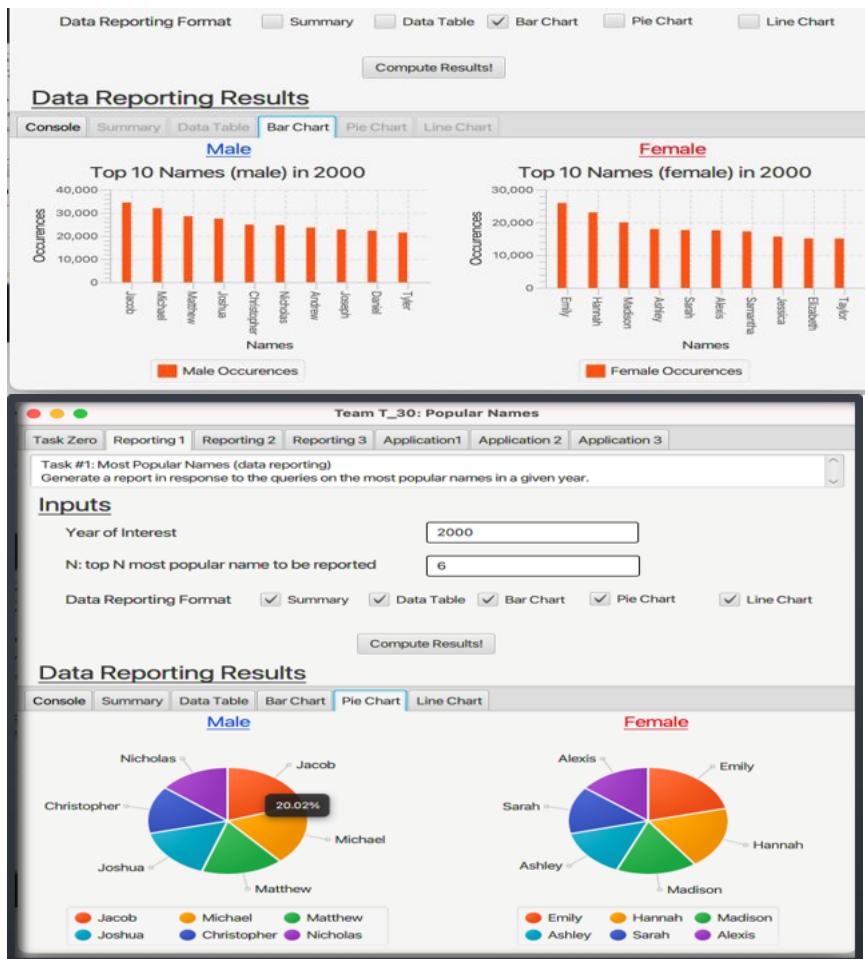
Male

Name	Color
Jacob	Orange
Michael	Yellow
Matthew	Green
Joshua	Cyan
Christopher	Blue
Nicholas	Purple

Female

Name	Color
Emily	Orange
Hannah	Yellow
Madison	Green
Ashley	Cyan
Sarah	Blue
Alexis	Purple





Team T_30: Popular Names

Task Zero Reporting 1 Reporting 2 Reporting 3 Application1 Application 2 Application 3

Task #4: Recommendation on Names for Newborn Babies (application)
Develop and implement an online service using empirical data to help make informed decisions on naming their newborn babies.

Inputs

Dad's Name Mom's Name
Dad's Year of Birth Range 1880 to 2019 Mom's Year of Birth Range 1880 to 2019
Use Algorithm

Results

Team T_30: Popular Names

Task Zero Reporting 1 Reporting 2 Reporting 3 Application1 Application 2 Application 3

Task #4: Recommendation on Names for Newborn Babies (application)
Develop and implement an online service using empirical data to help make informed decisions on naming their newborn babies.

Inputs

Dad's Name Mom's Name
Dad's Year of Birth Mom's Year of Birth
Use Algorithm

Results

Dad's Year of Birth has not been entered! Please enter Dad's YOB for Prediction
Moms' Year of Birth has not been entered! Please enter Mom's YOB for Prediction
Dad's name has not been entered! Please enter Dad's name for Prediction
Mom's name has not been entered! Please enter Mom's name for Prediction

Team T_30: Popular Names

Task Zero Reporting 1 Reporting 2 Reporting 3 Application1 Application 2 Application 3

Task #4: Recommendation on Names for Newborn Babies (application)
Develop and implement an online service using empirical data to help make informed decisions on naming their newborn babies.

Inputs

Dad's Name	<input type="text" value="11"/>	Mom's Name	<input type="text" value="11"/>
Dad's Year of Birth	<input type="text" value="hellow"/>	Mom's Year of Birth	<input type="text" value="hellow"/>
Use Algorithm	<input type="button" value="T4X1"/>	<input type="button" value="T4X2"/>	

Results

Enter the Correct Datatype for the Dad Year of Birth. Enter a Number!
Enter the Correct Datatype for the Mom Year of Birth. Enter a Number!
Dad name should consist of only letters. Please Enter a valid name!
Mom name should consist of only letters. Please Enter a valid name!

Team T_30: Popular Names

Task Zero Reporting 1 Reporting 2 Reporting 3 Application1 Application 2 Application 3

Task #4: Recommendation on Names for Newborn Babies (application)
Develop and implement an online service using empirical data to help make informed decisions on naming their newborn babies.

Inputs

Dad's Name	<input type="text" value="Andrew"/>	Mom's Name	<input type="text" value="Sarah"/>
Dad's Year of Birth	<input type="text" value="3000"/>	Mom's Year of Birth	<input type="text" value="1000"/>
Use Algorithm	<input type="button" value="T4X1"/>	<input type="button" value="T4X2"/>	

Results

Enter Dad YOB in the range for the Year. It too small or too large!
Enter Mom YOB in the range for the Year. It too small or too large!

Team T_30: Popular Names

Task Zero Reporting 1 Reporting 2 Reporting 3 Application1 Application 2 Application 3

Task #4: Recommendation on Names for Newborn Babies (application)
Develop and implement an online service using empirical data to help make informed decisions on naming their newborn babies.

Inputs

Dad's Name	<input type="text" value="Andrew"/>	Mom's Name	<input type="text" value="Sarah"/>
Dad's Year of Birth	<input type="text" value="2000"/>	Mom's Year of Birth	<input type="text" value="2000"/>
Use Algorithm	<input type="button" value="T4X1"/>	<input type="button" value="T4X2"/>	

Results

Select the Gender of the Name to be Predicted

Team T_30: Popular Names

Task Zero Reporting 1 Reporting 2 Reporting 3 Application1 Application 2 Application 3

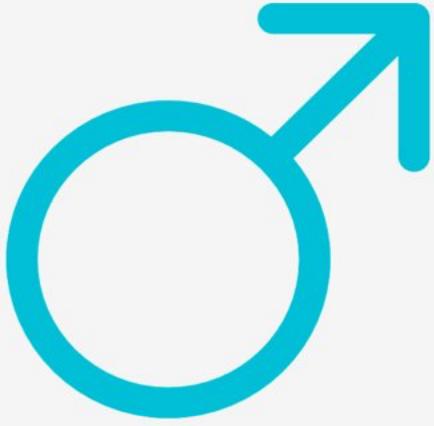
Task #4: Recommendation on Names for Newborn Babies (application)
Develop and implement an online service using empirical data to help make informed decisions on naming their newborn babies.

Inputs

Dad's Name	Andrew	Mom's Name	Sarah
Dad's Year of Birth	2000	Mom's Year of Birth	2000
Use Algorithm	T4X1	T4X2	

Results

Select the Gender of the Name to be Predicted

Team T_30: Popular Names

Task Zero Reporting 1 Reporting 2 Reporting 3 Application1 Application 2 Application 3

Task #4: Recommendation on Names for Newborn Babies (application)
Develop and implement an online service using empirical data to help make informed decisions on naming their newborn babies.

Inputs

Dad's Name Mom's Name
Dad's Year of Birth Mom's Year of Birth
Use Algorithm

Results

Since the little boy and Father Andrew will have such a close relationship. It will be wise to look at the top names in Andrew's YOB 2000
Therefore we will look at the top names so that father and son have something in common :)

Team T_30: Popular Names

Task Zero Reporting 1 Reporting 2 Reporting 3 Application1 Application 2 Application 3

Task #4: Recommendation on Names for Newborn Babies (application)
Develop and implement an online service using empirical data to help make informed decisions on naming their newborn babies.

Inputs

Dad's Name Mom's Name
Dad's Year of Birth Mom's Year of Birth
Use Algorithm

Results

Since the little boy and Father Andrew will have such a close relationship. It will be wise to look at the top names in Andrew's YOB 2000
Therefore we will look at the top names so that father and son have something in common :)

Lets go! The 3 top names are.....
Jacob
Michael
Matthew

Team T_30: Popular Names

Task Zero | Reporting 1 | Reporting 2 | Reporting 3 | Application1 | Application 2 | Application 3

Task #4: Recommendation on Names for Newborn Babies (application)
Develop and implement an online service using empirical data to help make informed decisions on naming their newborn babies.

Inputs

Dad's Name	Andrew	Mom's Name	Sarah
Dad's Year of Birth	2000	Mom's Year of Birth	2000
Use Algorithm	T4X1	T4X2	

Results

Since the little boy and Father Andrew will have such a close relationship. It will be wise to look at the top names in Andrew's YOB 2000
Therefore we will look at the top names so that father and son have something in common :)

Lets go! The 3 top names are....

Jacob
Michael
Matthew



Nice choices but which name to choose?

Team T_30: Popular Names

Task Zero | Reporting 1 | Reporting 2 | Reporting 3 | Application1 | Application 2 | Application 3

Task #4: Recommendation on Names for Newborn Babies (application)
Develop and implement an online service using empirical data to help make informed decisions on naming their newborn babies.

Inputs

Dad's Name	Andrew	Mom's Name	Sarah
Dad's Year of Birth	2000	Mom's Year of Birth	2000
Use Algorithm	T4X1	T4X2	

Results

Since the little boy and Father Andrew will have such a close relationship. It will be wise to look at the top names in Andrew's YOB 2000
Therefore we will look at the top names so that father and son have something in common :)

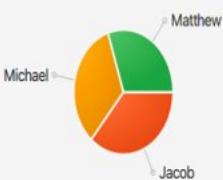
Lets go! The 3 top names are....

Jacob
Michael
Matthew



Nice choices but which name to choose?

Lets try deciding from a pie chart!
That should be a good idea :) We can then pick the largest percentage



Legend: ● Jacob ● Michael ● Matthew

Team T_30: Popular Names

Task Zero Reporting 1 Reporting 2 Reporting 3 Application1 Application 2 Application 3

Task #4: Recommendation on Names for Newborn Babies (application)
Develop and implement an online service using empirical data to help make informed decisions on naming their newborn babies.

Inputs

Dad's Name	<input type="text" value="Andrew"/>	Mom's Name	<input type="text" value="Sarah"/>
Dad's Year of Birth	<input type="text" value="2000"/>	Mom's Year of Birth	<input type="text" value="2000"/>
Use Algorithm	<input type="button" value="T4X1"/>	<input type="button" value="T4X2"/>	

Results

Since the little boy and Father Andrew will have such a close relationship. It will be wise to look at the top names in Andrew's YOB 2000
Therefore we will look at the top names so that father and son have something in common :)

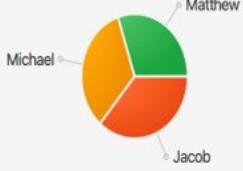
Lets go! The 3 top names are....

Jacob
Michael
Matthew



Nice choices but which name to choose?
Lets try deciding from a pie chart!
That should be a good idea :) We can then pick the largest percentage

Answer: Jacob! since it is the most popular name in Dad Andrew's YOB 2000 with 36.26% of the top occurrences of the top 3 names in the year 2000



Legend: ● Jacob ● Michael ● Matthew

Team T_30: Popular Names

Task Zero Reporting 1 Reporting 2 Reporting 3 Application1 Application 2 Application 3

Task #4: Recommendation on Names for Newborn Babies (application)
Develop and implement an online service using empirical data to help make informed decisions on naming their newborn babies.

Inputs

Dad's Name	Andrew	Mom's Name	Sarah
Dad's Year of Birth	2000	Mom's Year of Birth	2000
Use Algorithm	T4X1	T4X2	

Results

Thank you for carrying on! At Team 30, we take care of all your interests! Since we want to make the best decision for you we need some help :) Please enter some additional data for us to understand your preferences and make the best decision for you.

Enter the extra years to be checked before and after Moms YOB Range 5 to 25

Enter the Scale of Uniqueness 1 10

Do you want to give priority to names with the same first letter of Mom's Name? Yes

GET NAME!

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Task Zero Reporting 1 Reporting 2 Reporting 3 Application1 Application 2 Application 3

Task #4: Recommendation on Names for Newborn Babies (application)
Develop and implement an online service using empirical data to help make informed decisions on naming their newborn babies.

Inputs

Dad's Name	<input type="text" value="Andrew"/>	Mom's Name	<input type="text" value="Sarah"/>
Dad's Year of Birth	<input type="text" value="2000"/>	Mom's Year of Birth	<input type="text" value="2000"/>
Use Algorithm	<input type="button" value="T4X1"/>	<input type="button" value="T4X2"/>	

Results

Depending on the extra years chosen we will look at Year 1990 to Year 2010
Multiplying the scale of uniqueness with the total characters in the mom and dad's name to find the rank we need $5.67 * (5 + 6) = 55$ [scaled accordingly]...

55 ranked Names (female) from year 2010 to 1990

Name	Year	Occurrences
Katie	1990	~7500
Caitlin	1991	~7500
Vanessa	1992	~7500
Vanessa	1993	~7500
Kristen	1994	~7500
Andrea	1995	~7500
Chelsea	1996	~7500
Michelle	1997	~7500
Katelyn	1999	~7500
Michelle	1998	~7500
Audrey	2000	~7500
Sierra	2001	~7500
Andrea	2002	~7500
Andrea	2003	~7500
Stephanie	2004	~7500
Gabrielle	2005	~7500
Sofia	2006	~7500
Evelyn	2007	~7500
Layla	2008	~7500
Amelia	2009	~7500
Julia	2010	~7500

T4X2 Name Prediction **Sierra** Occurrences in Year Selected **5236**

Task 2 and 5 Screenshots

Team T_30: Popular Names

Task Zero Reporting 1 **Reporting 2** Reporting 3 Application1 Application 2 Application 3

Task #2: K-th Popular Names (data reporting)
Generate a report in response to the queries on the K-th popular names over a given period.

Inputs

Starting Year of Interest Range: 1880 to 2019

Ending Year of Interest Range: 1880 to 2019

K-th popular names to be reported Integer: 1...1000

Gender Char: 'M' or 'F'

Data Display Format: Summary Data Table Bar Chart Pie Chart Line Chart

Data Reporting Results

Console Summary Data Table Bar Chart Pie Chart Line Chart

Console Summary Data Table Bar Chart Pie Chart Line Chart

Team T_30: Popular Names

Task Zero Reporting 1 Reporting 2 Reporting 3 Application1 Application 2 Application 3

Task #2: K-th Popular Names (data reporting)
Generate a report in response to the queries on the K-th popular names over a given period.

Inputs

Starting Year of Interest Range: 1880 to 2019

Ending Year of Interest Range: 1880 to 2019

K-th popular names to be reported Integer: 1...1000

Gender Char: 'M' or 'F'

Data Display Format: Summary Data Table Bar Chart Pie Chart Line Chart

Data Reporting Results

Console Summary Data Table Bar Chart Pie Chart Line Chart

Error: Starting Year of Interest has not been inputted
Error: Ending Year of Interest has not been inputted
Error: K-th Popular Name to Be Reported has not been inputted
Error: Gender has not been inputted
Error: No Data Reporting Method has been Chosen (Please select required reports using the checkbox)

Team T_30: Popular Names

Task Zero Reporting 1 Reporting 2 Reporting 3 Application1 Application 2 Application 3

Task #2: K-th Popular Names (data reporting)
Generate a report in response to the queries on the K-th popular names over a given period.

Inputs

Starting Year of Interest: 3000

Ending Year of Interest: 2598

K-th popular names to be reported: -5

Gender: M

Data Display Format: Summary Data Table Bar Chart Pie Chart Line Chart

Data Reporting Results

Console Summary Data Table Bar Chart Pie Chart Line Chart

Invalid Starting Year of Interest: Year Out of Range
Invalid Ending Year of Interest: Year Out of Range
Invalid K-th Popular Name to Be Reported: K-th Value out of range

Team T_30: Popular Names

Task Zero Reporting 1 Reporting 2 Reporting 3 Application1 Application 2 Application 3

Task #2: K-th Popular Names (data reporting)
Generate a report in response to the queries on the K-th popular names over a given period.

Inputs

Starting Year of Interest	ABC
Ending Year of Interest	DEF
K-th popular names to be reported	GHI
Gender	HIJ

Data Display Format: Summary Data Table Bar Chart Pie Chart Line Chart

Data Reporting Results Generate Reuls!

Console Summary Data Table Bar Chart Pie Chart Line Chart

Please input valid Starting Year of Interest (Integer Value between 1880 and 2019)
Please input valid Ending Year of Interest (Integer Value between 1880 and 2019)
Please input valid K-th Popular Name to Be Reported (Integer Value between 1 and 1000)
Invalid Gender: Gender can either be 'M' or 'F'

Team T_30: Popular Names

Task Zero Reporting 1 Reporting 2 Reporting 3 Application1 Application 2 Application 3

Task #2: K-th Popular Names (data reporting)
Generate a report in response to the queries on the K-th popular names over a given period.

Inputs

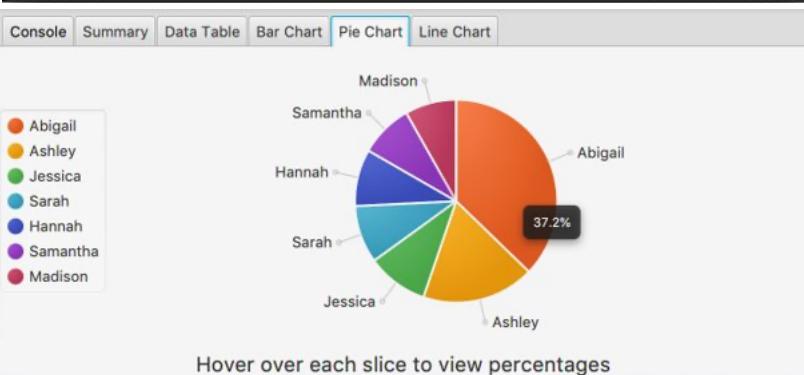
Starting Year of Interest	<input type="text" value="2000"/>
Ending Year of Interest	<input type="text" value="2010"/>
K-th popular names to be reported	<input type="text" value="8"/>
Gender	<input type="text" value="F"/>
Data Display Format:	<input checked="" type="checkbox"/> Summary <input type="checkbox"/> Data Table <input checked="" type="checkbox"/> Bar Chart <input type="checkbox"/> Pie Chart <input checked="" type="checkbox"/> Line Chart

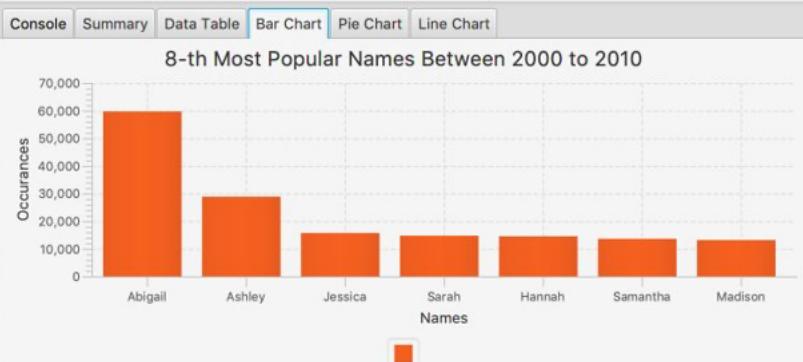
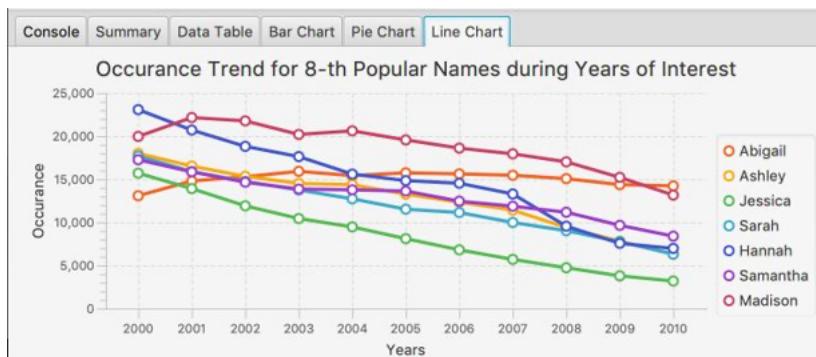
Data Reporting Results Generate Reuls!

Console Summary Data Table Bar Chart Pie Chart Line Chart

Please view requested Reports in respective tab(s)

Console	Summary	Data Table	Bar Chart	Pie Chart	Line Chart
Name		Frequency	Occurrences	Percentage	
Abigail	4	59712	37.2%		
Ashley	2	28881	18.0%		
Jessica	1	15704	9.8%		
Sarah	1	14751	9.2%		
Hannah	1	14535	9.1%		
Samantha	1	13632	8.5%		
Madison	1	13166	8.2%		
TOTAL:		11	160381	100.0%	





Team T_30: Popular Names

Task #2: K-th Popular Names (data reporting)
Generate a report in response to the queries on the K-th popular names over a given period.

Inputs

Starting Year of Interest	2000
Ending Year of Interest	2010
K-th popular names to be reported	8
Gender	F

Data Display Format: Summary Data Table Bar Chart Pie Chart Line Chart

Data Reporting Results

Console Summary Data Table Bar Chart Pie Chart Line Chart

Abigail has held the 8-th rank most often for a total of 4 times among names registered for baby girls born in the period from 2000 to 2010. The total number of occurrences of Abigail is 59,712, which represents 37.2% of total female births at the 8-th rank in the period from 2000 to 2010.

Team T_30: Popular Names

Task Zero Reporting 1 Reporting 2 Reporting 3 Application1 Application 2 Application 3

Task #5: Prediction on Names for Compatible Pairs (application)
Develop and implement an online service using empirical data to help make informed decisions on

Inputs

Please enter your paticulars:

iName Name iGender Char: 'M' or 'F' iYOB Range: 1880 to 2019

Please enter soulmate preferences:

iGenderMate Char: 'M' or 'F' iPreference "Younger" or "Older"

Please slect algorithm to perform prediction:

T5X1 T5X2

Data Reporting Results

Team T_30: Popular Names

Task Zero Reporting 1 Reporting 2 Reporting 3 Application1 Application 2 Application 3

Task #5: Prediction on Names for Compatible Pairs (application)
Develop and implement an online service using empirical data to help make informed decisions on

Inputs

Please enter your particulars:

iName iGender iYOB

Please enter soulmate preferences:

iGenderMate iPreference

Please select algorithm to perform prediction:

Data Reporting Results

Error: iName has not been inputted
Error: iGender has not been inputted
Error: iYOB has not been inputted
Error: iGenderMate has not been inputted
Error: iPreference has not been inputted

Team T_30: Popular Names

Task Zero Reporting 1 Reporting 2 Reporting 3 Application1 Application 2 Application 3

Task #5: Prediction on Names for Compatible Pairs (application)
Develop and implement an online service using empirical data to help make informed decisions on

Inputs

Please enter your paticulars:

iName iGender iYOB

Please enter soulmate preferences:

iGenderMate iPreference

Please slect algorithm to perform prediction:

Results

iName invalid: iName contains a number!
Invalid Gender: iGender can either be 'M' or 'F'
Please input valid iYOB (Integer Value between 1880 and 2019)
Invalid iGenderMate: iGenderMate can either be 'M' or 'F'
Invalid iPreference: iPreference can either be "Younger" or "Older"

Team T_30: Popular Names

Task Zero Reporting 1 Reporting 2 Reporting 3 Application1 Application 2 Application 3

Task #5: Prediction on Names for Compatible Pairs (application)
Develop and implement an online service using empirical data to help make informed decisions on

Inputs

Please enter your paticulars:

iName iGender iYOB

Please enter soulmate preferences:

iGenderMate iPreference

Please slect algorithm to perform prediction:

Results

Invalid iYOB: Year Out of Range

Team T_30: Popular Names

Task Zero Reporting 1 Reporting 2 Reporting 3 Application1 Application 2 Application 3

Task #5: Prediction on Names for Compatible Pairs (application)
Develop and implement an online service using empirical data to help make informed decisions on

Inputs

Please enter your particulars:

iName iGender iYOB

Please enter soulmate preferences:

iGenderMate iPreference

Please select algorithm to perform prediction:

Results

Welcome to Prediction on Names for Compatible Pairs Application!

Our patented prediction algorithms will be used to formulate suitable predictions
Processing results now...



56%

Team T_30: Popular Names

Task Zero Reporting 1 Reporting 2 Reporting 3 Application1 Application 2 Application 3

Task #5: Prediction on Names for Compatible Pairs (application)
Develop and implement an online service using empirical data to help make informed decisions on

Inputs

Please enter your particulars:

iName iGender iYOB

Please enter soulmate preferences:

iGenderMate iPreference

Please select algorithm to perform prediction:

Results

Welcome to Prediction on Names for Compatible Pairs Application!

Our patented prediction algorithms will be used to formulate suitable predictions
Processing results now...




Done

Team T_30: Popular Names

Task Zero Reporting 1 Reporting 2 Reporting 3 Application1 Application 2 Application 3

Task #5: Prediction on Names for Compatible Pairs (application)
Develop and implement an online service using empirical data to help make informed decisions on

Inputs

Please enter your particulars:

iName iGender iYOB

Please enter soulmate preferences:

iGenderMate iPreference

Please select algorithm to perform prediction:

Results

Your compatible pair is most likely called Jacob.
To view the Top 5 compatible pairs suitable for you and their probabilities, please press the next button...

Team T_30: Popular Names

Task Zero Reporting 1 Reporting 2 Reporting 3 Application1 Application 2 Application 3

Task #5: Prediction on Names for Compatible Pairs (application)
Develop and implement an online service using empirical data to help make informed decisions on

Inputs

Please enter your particulars:

iName iGender iYOB

Please enter soulmate preferences:

iGenderMate iPreference

Please select algorithm to perform prediction:

Results

Hover over each slice to view percentages

Legend:

- Jacob
- Michael
- Matthew
- Joshua
- Christopher

Name	Percentage
Jacob	23.4%
Michael	~20%
Matthew	~15%
Joshua	~12%
Christopher	~10%

Thank You for using the Application!

Team T_30: Popular Names

Task Zero Reporting 1 Reporting 2 Reporting 3 Application1 Application 2 Application 3

Task #5: Prediction on Names for Compatible Pairs (application)
Develop and implement an online service using empirical data to help make informed decisions on

Inputs

Please enter your particulars:

iName Name iGender Char: 'M' or 'F' iYOB Range: 1880 to 2019

Please enter soulmate preferences:

iGenderMate Char: 'M' or 'F' iPreference "Younger" or "Older"

Please select algorithm to perform prediction:

Results

Error: iName has not been inputted
Error: iGender has not been inputted
Error: iYOB has not been inputted
Error: iGenderMate has not been inputted
Error: iPreference has not been inputted

Team T_30: Popular Names

Task Zero Reporting 1 Reporting 2 Reporting 3 Application1 Application 2 Application 3

Task #5: Prediction on Names for Compatible Pairs (application)
Develop and implement an online service using empirical data to help make informed decisions on

Inputs

Please enter your particulars:

iName iGender iYOB

Please enter soulmate preferences:

iGenderMate iPreference

Please select algorithm to perform prediction:

Results

iName invalid: iName contains a number!
Invalid Gender: iGender can either be 'M' or 'F'
Please input valid iYOB (Integer Value between 1880 and 2019)
Invalid iGenderMate: iGenderMate can either be 'M' or 'F'
Invalid iPreference: iPreference can either be "Younger" or "Older"

Team T_30: Popular Names

Task Zero Reporting 1 Reporting 2 Reporting 3 Application1 Application 2 Application 3

Task #5: Prediction on Names for Compatible Pairs (application)
Develop and implement an online service using empirical data to help make informed decisions on

Inputs

Please enter your particulars:

iName iGender iYOB

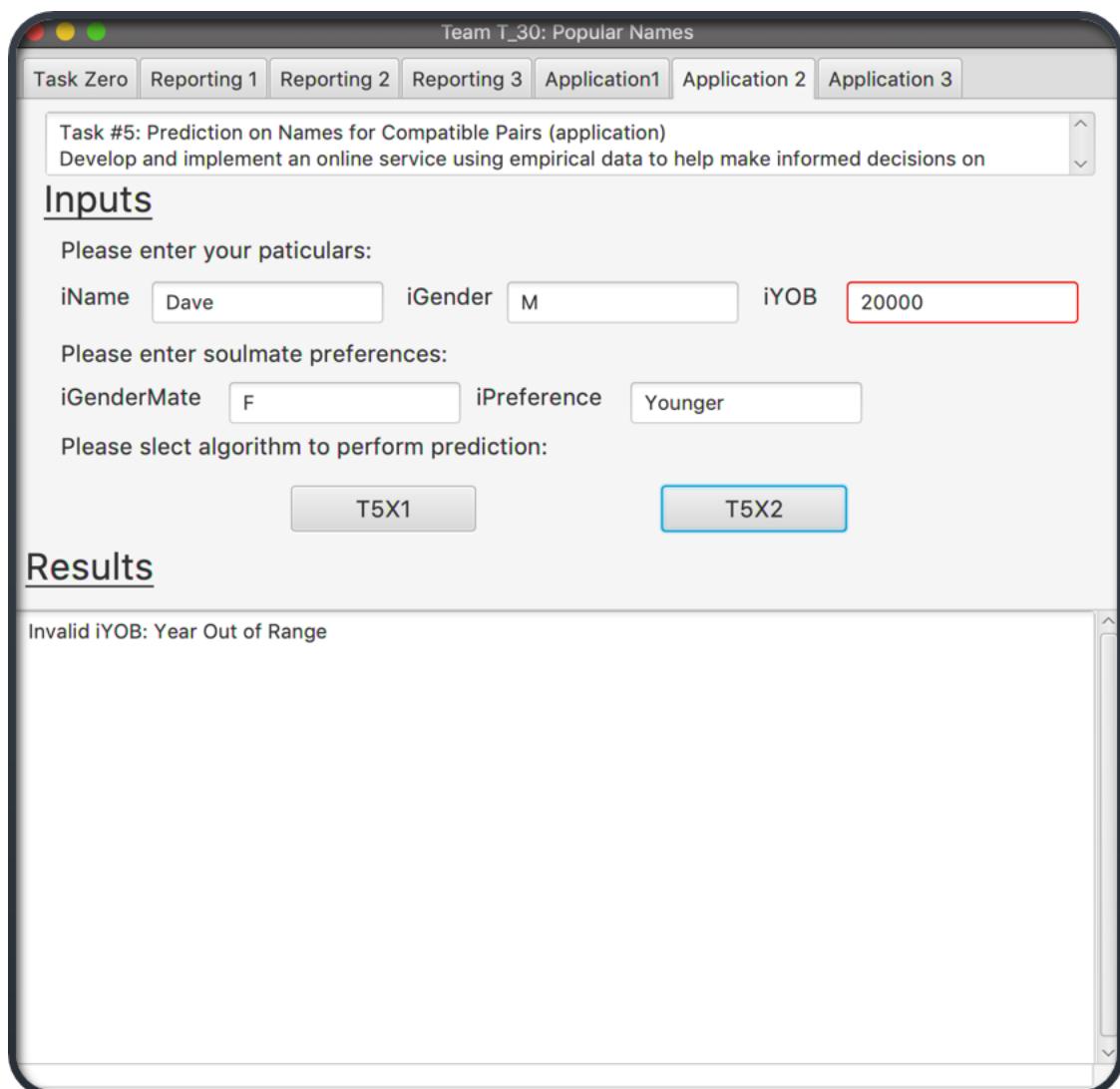
Please enter soulmate preferences:

iGenderMate iPreference

Please select algorithm to perform prediction:

Results

Invalid iYOB: Year Out of Range



Team T_30: Popular Names

Task Zero Reporting 1 Reporting 2 Reporting 3 Application1 Application 2 Application 3

Task #5: Prediction on Names for Compatible Pairs (application)
Develop and implement an online service using empirical data to help make informed decisions on

Inputs

Please enter your particulars:

iName iGender iYOB

Please enter soulmate preferences:

iGenderMate iPreference

Please select algorithm to perform prediction:

Results

Please enter the following Additional Details:

Enter your Favourite Number (single digit between 1 and 9):

Select Favourite Colour:

Enter Random Number (between 1 and 50):

Press the Compute Button to View Results:

Team T_30: Popular Names

Task Zero Reporting 1 Reporting 2 Reporting 3 Application1 Application 2 Application 3

Task #5: Prediction on Names for Compatible Pairs (application)
Develop and implement an online service using empirical data to help make informed decisions on

Inputs

Please enter your particulars:

iName iGender iYOB

Please enter soulmate preferences:

iGenderMate iPreference

Please select algorithm to perform prediction:

Results

Please enter the following Additional Details:

Enter your Favourite Number (single digit between 1 and 9):
 Error: Random Number has not been inputted

Select Favourite Colour:
 #334db3

Enter Random Number (between 1 and 50):
 Error: Random Number has not been inputted

Press the Compute Button to View Results:

Team T_30: Popular Names

Task Zero Reporting 1 Reporting 2 Reporting 3 Application1 Application 2 Application 3

Task #5: Prediction on Names for Compatible Pairs (application)
Develop and implement an online service using empirical data to help make informed decisions on

Inputs

Please enter your particulars:

iName iGender iYOB

Please enter soulmate preferences:

iGenderMate iPreference

Please select algorithm to perform prediction:

Results

Our Patented Formula has been applied and its results have been processed...
Your compatible pair will most likely be called ...

Sarah

To view the probabilities of your most likely compatible pair, please press the Next button...

Team T_30: Popular Names

Task Zero Reporting 1 Reporting 2 Reporting 3 Application1 Application 2 Application 3

Task #5: Prediction on Names for Compatible Pairs (application)
Develop and implement an online service using empirical data to help make informed decisions on

Inputs

Please enter your particulars:

iName iGender iYOB

Please enter soulmate preferences:

iGenderMate iPreference

Please select algorithm to perform prediction:

Results

Hover over each slice to view percentages

Legend:

- Sarah
- Alyssa
- Taylor
- Sophia
- Ashley

The pie chart displays the relative proportions of five names. The largest slice is Sarah (orange), followed by Alyssa (yellow), then Taylor (green), Sophia (cyan), and the smallest slice is Ashley (blue). Each slice is labeled with its corresponding name.

Thank You for using the Application!