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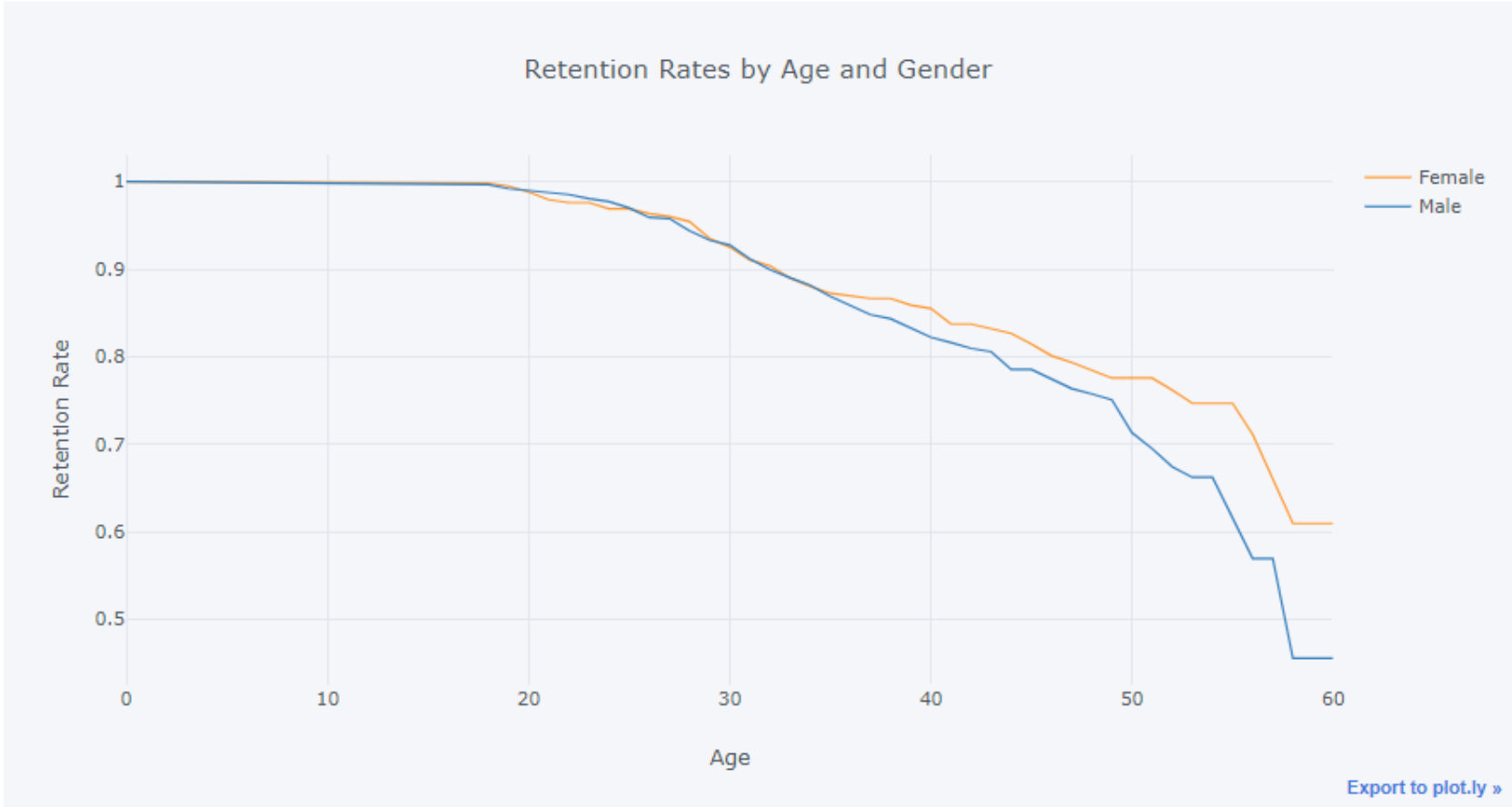
```
#plt.show();
```




```
---------------------------------------------------------------------------
NameError                                 Traceback (most recent call last)
<ipython-input-70-d0e82dfb921a> in <module>
```

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Run Code

```
        title='Retention Rates by gender and years at the company')
```

3. Let's look at retention rate by gender from a third perspective - the number of years since

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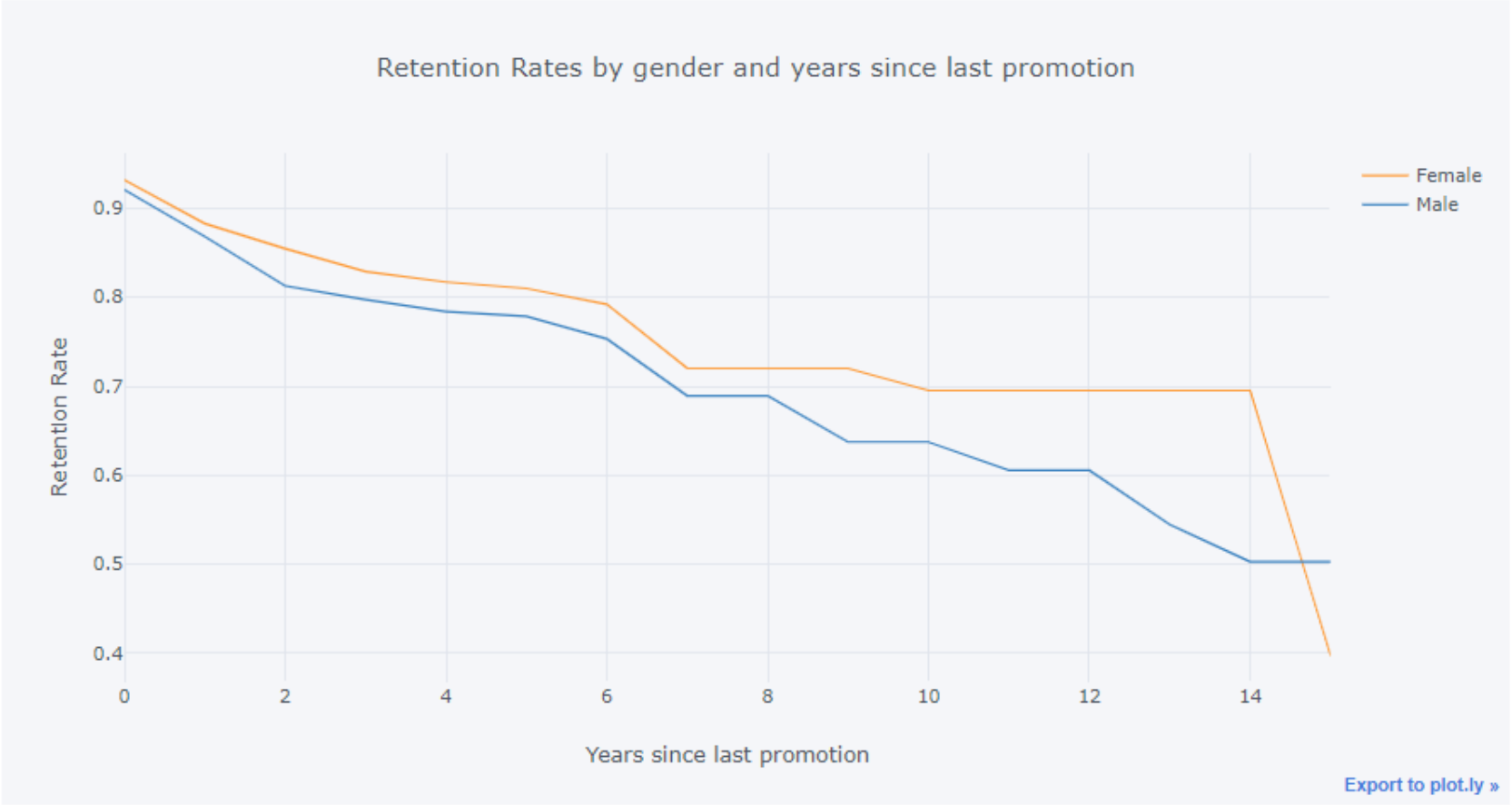
Run Code

```
rates.iplot(kind='line', xTitle='Years since last promotion', yTitle='Retention Rate',
            title='Retention Rates by gender and years since last promotion')
```



4. Let's switch to looking at retention rates from another demographic perspective: marital

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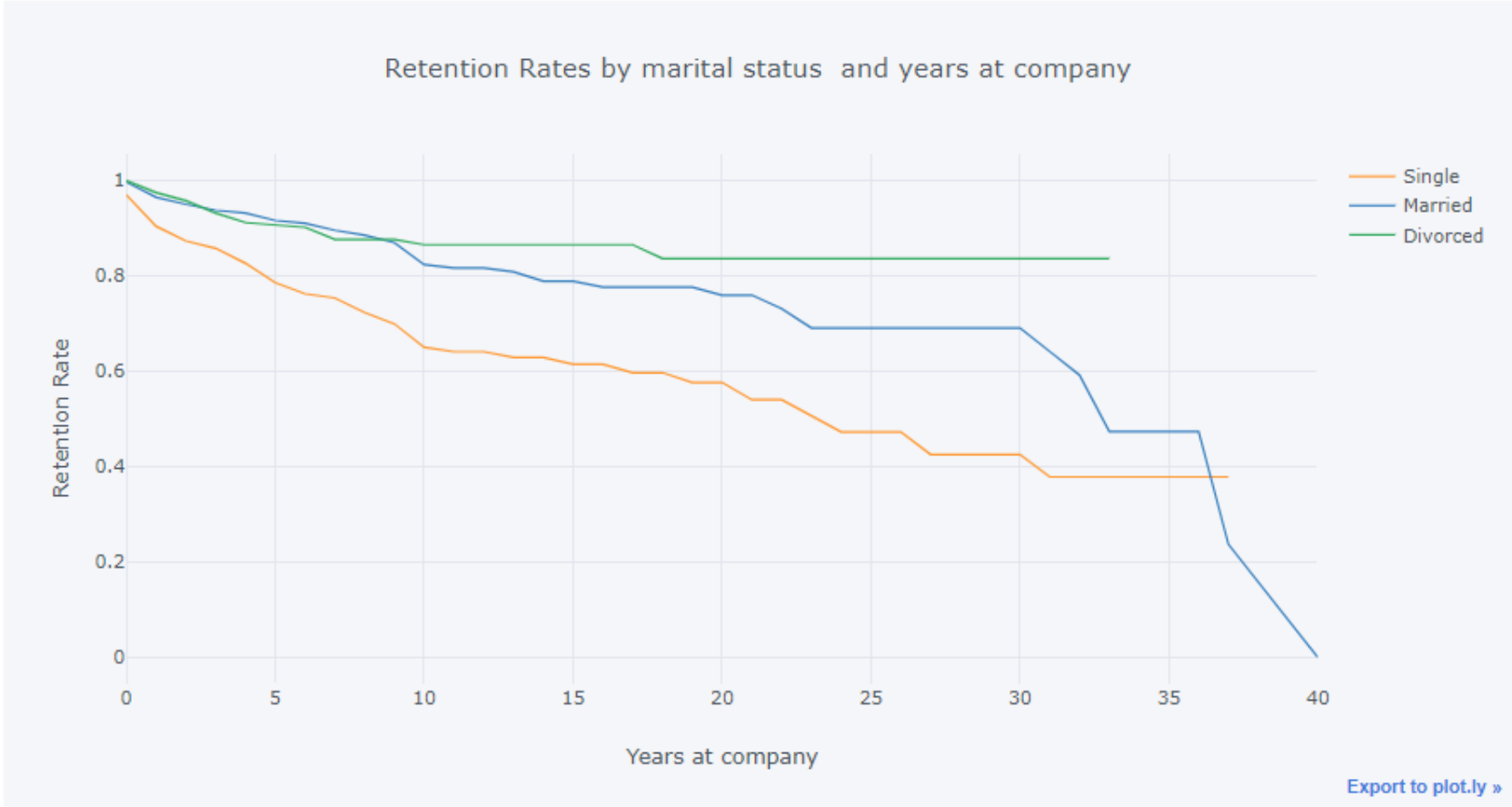
```
            title='Retention Rates by marital status  and years at company')
```



5. Let's also look at the marital status curves by employee age. Generate and plot the survival

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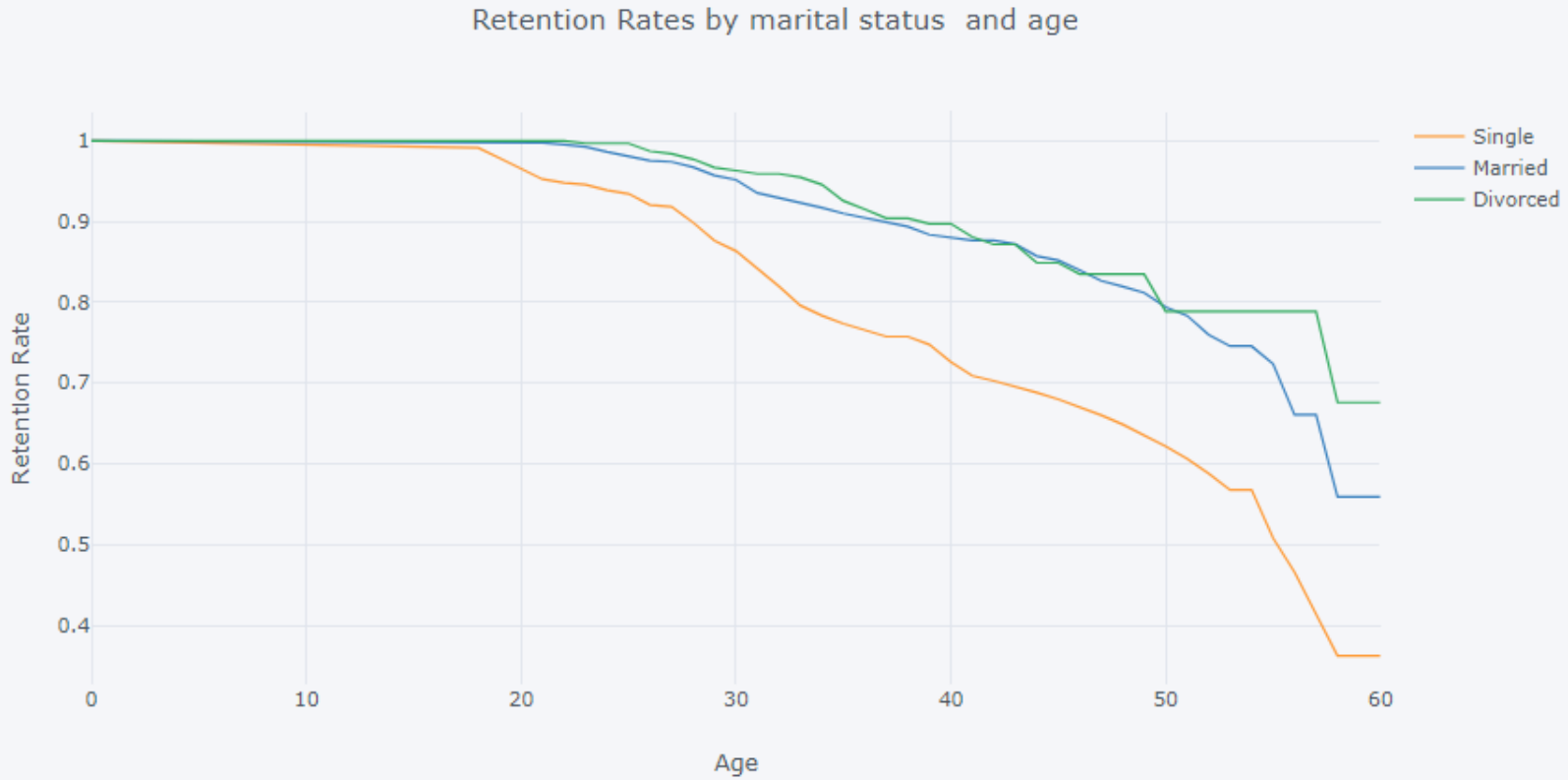

6. Now that we have looked at the retention rates by gender and marital status individually, let's look at them together.

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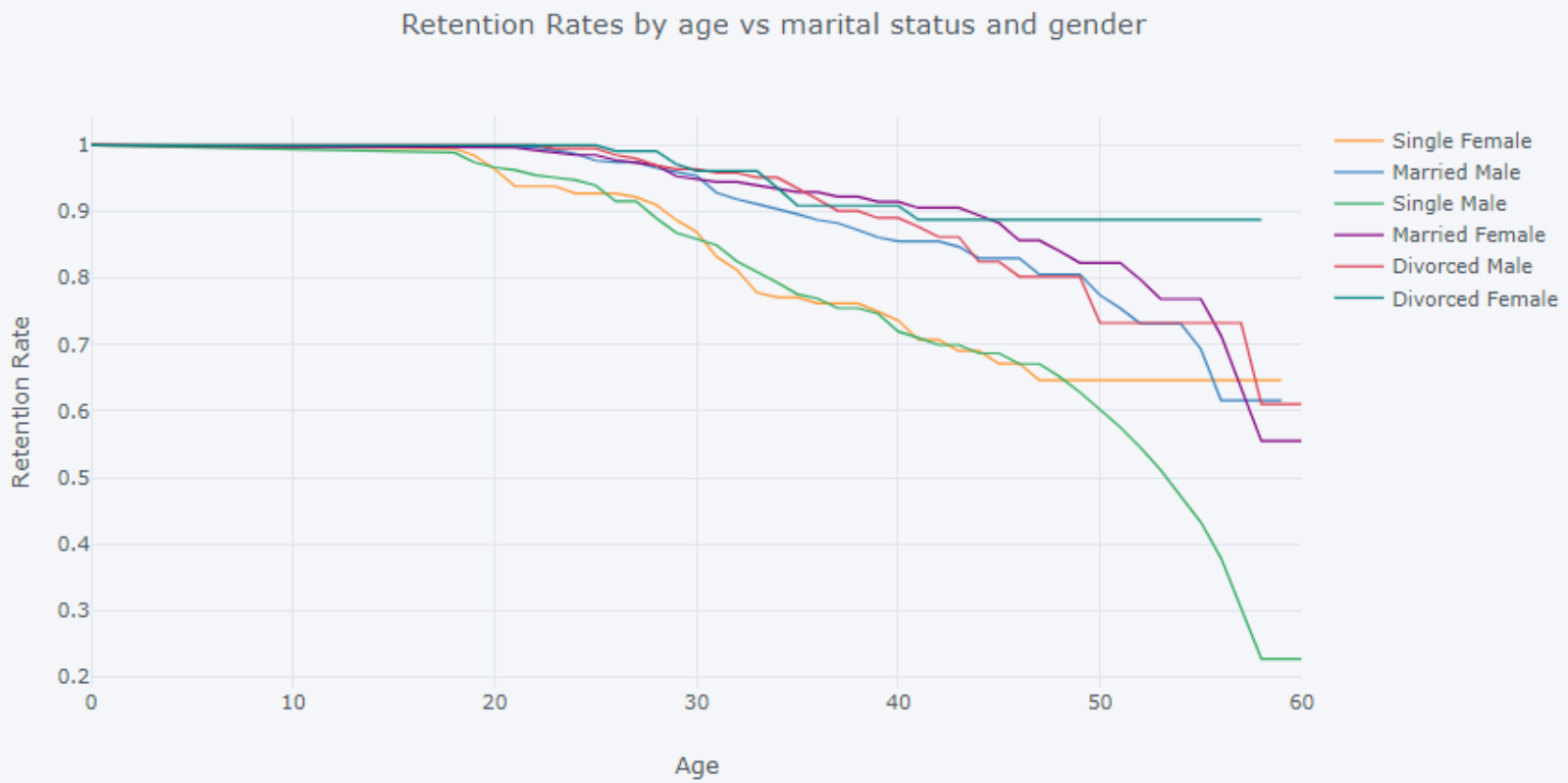

6. Let's find out how job satisfaction affects retention rates. Generate and plot survival curves for each level of job satisfaction by number of years at the company.

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Run Code

In [56]:
```
rates = survival(data, 'JobSatisfaction', 'YearsAtCompany', 'Attrition')

rates.iplot(kind='line', xTitle='Years at company', yTitle='Retention Rate',
            title='Retention Rates by years at company and Job Satisfaction ')
```

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8. From the previous example, it looks like the sales department has the highest attrition. Let's drill down on this and look at what the survival curves for specific job roles within that

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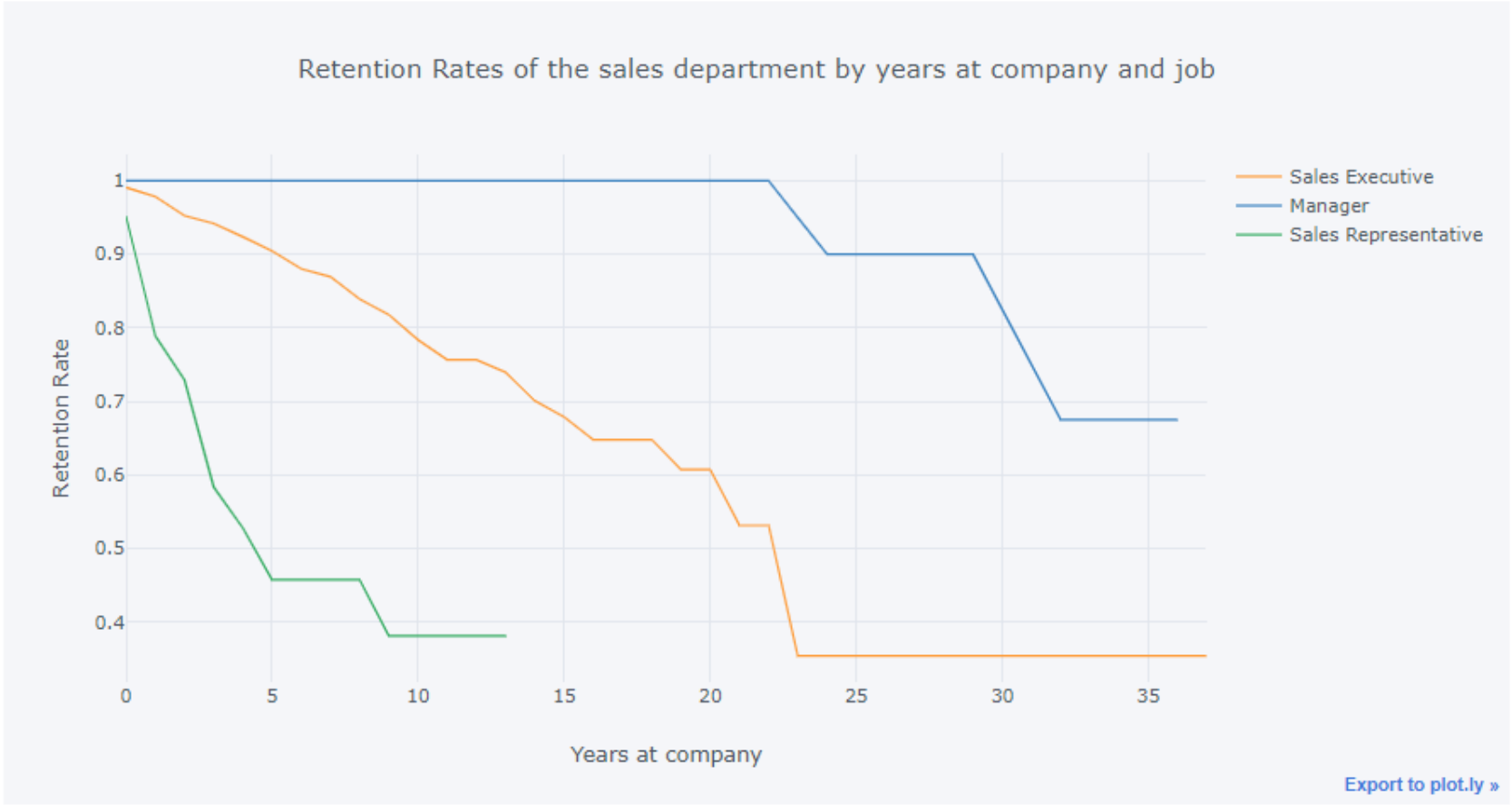

9. Let examine how compensation affects attrition.

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10. Finally, let's take a look at how the demands of the job impact employee attrition.

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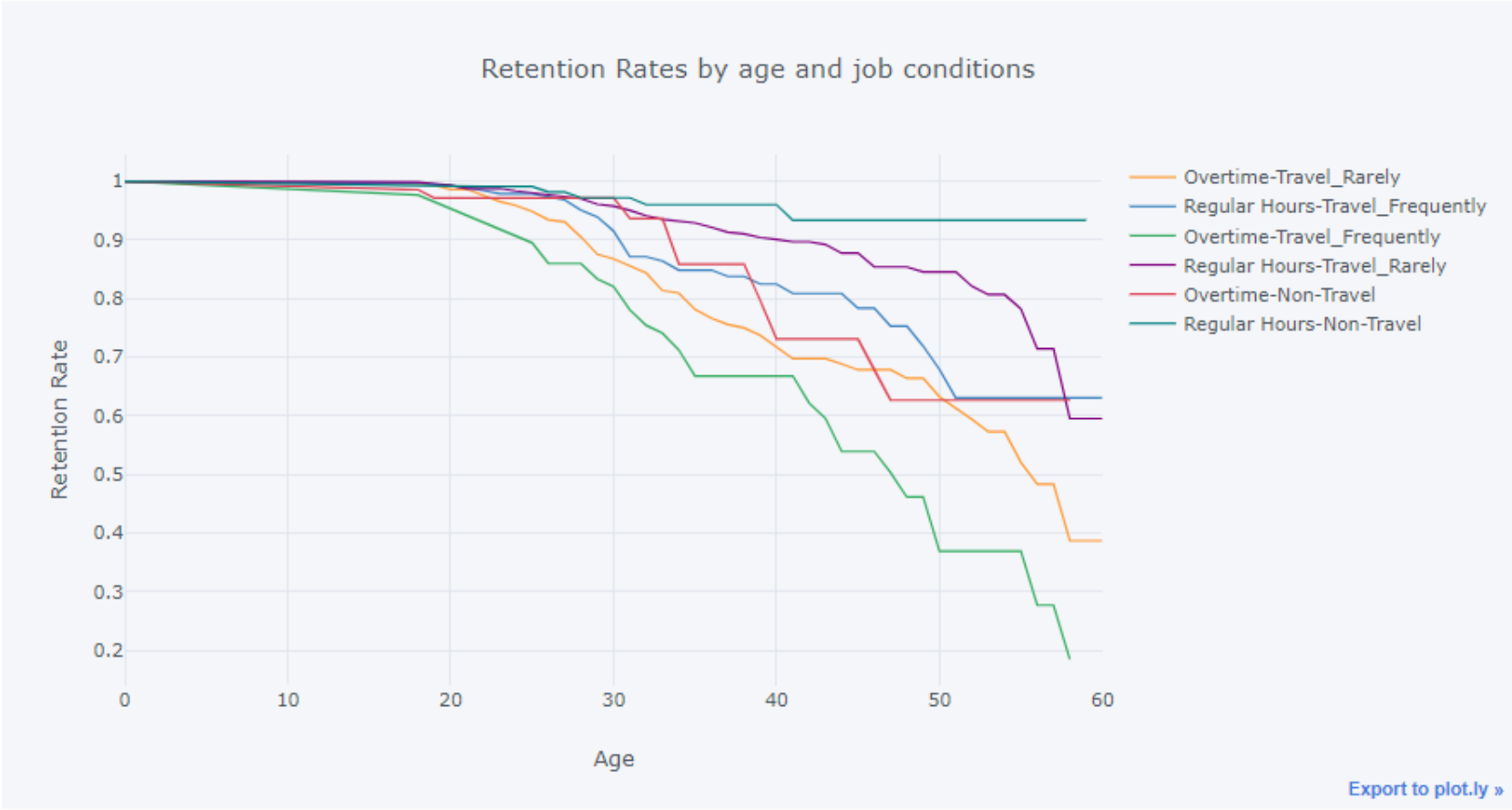
In [64]:
```
rates = survival(data, 'conds', 'Age', 'Attrition')

rates.iplot(kind='line', xTitle='Age', yTitle='Retention Rate',
            title='Retention Rates by age and job conditions ')
```



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