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| [InterviewQs](http://url4828.interviewqs.com/ls/click?upn=qwT-2Bl0U064-2B7oRNpPgUya7ecPmGRwE2khpP-2F5cNr-2FmX-2B6PqYxRHzWlRa-2B8ecgLBA9-2BqgBN6N-2BlN6LynvPDDX8gP5GJnL7P-2FdFw86KOd0IkE-3D07wc_IX5HKWnhXeILdZHF1orS-2BlB9GK8lB7SYfPoy-2FMuH4KRohMZLpajhsnIOVcXh9Dl1-2FEM0gexeUVi2uV8saiYk-2BIoemGnh34m-2BtT-2BROOE0Lc-2Bkopd6Z27bKGuv7dOuQ73sXkNsOgMybAyt1cBiJAwdfrsAeeJh5bJa8Hot90W16qZ7R-2BtpW-2FgA186GOcU67cb61Ntap0H2L719G9QHRRyLdXhEnDXVlvSJ9lytX90U-2BGLExfUFRXQ7xB9WoozzCc-2FvFP1gjvij7cNyJnMcqRo2fdQos8-2FQ5dV08mcgfOMkTkRJDGNuyDo49jgk8-2Fun37m4a9UKb1HhQSp0CU06wlfLr2n-2BFkDZiBuGDkH0rnb6uUgYNSozbGjgRnzFVX8mPbeC) |

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| **Predicting churn with a decision tree** |

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| ***Python, Product Metrics, Pandas, Data Analysis, External Dataset, Machine Learning, Classifers, Decision Tree*** |

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| Given the following [dataset](http://url4828.interviewqs.com/ls/click?upn=qwT-2Bl0U064-2B7oRNpPgUya0M9CbLWlzdVtmktX-2FbfOxEzAv-2F4Lc5Mo1QJts6KHCPwdu-2Fsi9PNZIWjFCex7bx2O19xahFpYOBDH-2FfZ7zJVBR3kPS6tvfk93NslbyfsLSdzOSX8JZucdKu-2FV7oQSpFm1qJ-2FZIDCiHrk8XkrLB8tirg-3D058Q_IX5HKWnhXeILdZHF1orS-2BlB9GK8lB7SYfPoy-2FMuH4KRohMZLpajhsnIOVcXh9Dl1-2FEM0gexeUVi2uV8saiYk-2BIoemGnh34m-2BtT-2BROOE0Lc-2Bkopd6Z27bKGuv7dOuQ73sXkNsOgMybAyt1cBiJAwdfrsAeeJh5bJa8Hot90W16qZ7R-2BtpW-2FgA186GOcU67cb61Ntap0H2L719G9QHRRyLdXhEnDXVlvSJ9lytX90U-2BGJvKEYjF8yrvNj4MXQjnhsIAXqFdE-2F2wsC9dfrQJgnx4Lc3KEtgmjzqbNNGACIMavM7q1FAgW5o2XHoKeEpnMNyASy1ufZz8vwACfYRu3q270CUUZdZSA8yrNQYiKQucpA8IC0ZQaqqG2-2Fu898jvVO0), can you create a decision tree to predict customer churn? For simplicity, you can set the maximum depth of the decision tree to 4. For the purpose of this exercise, you do not need to optimize the model. |