

```

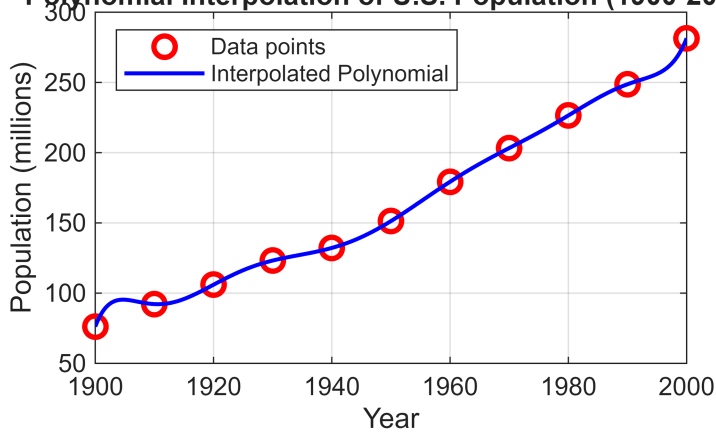
General model:
exp_fit(x) = a*exp(b*x)
Coefficients (with 95% confidence bounds):
a =      3.045 (2.456, 3.635)
b =      0.2033 (0.1774, 0.2292)

sse: 4.4919
rsquare: 0.9837
dfe: 8
adjrsquare: 0.9817
rmse: 0.7493

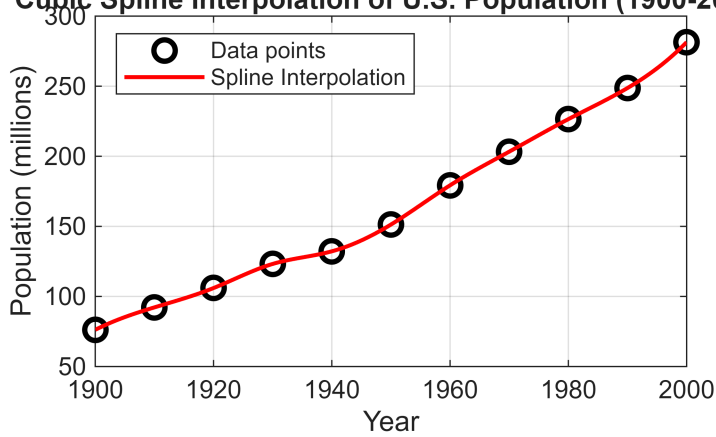
```

Warning: Polynomial is badly conditioned. Add points with distinct X values, reduce the degree of the polynomial, or try centering and scaling as described in HELP POLYFIT.

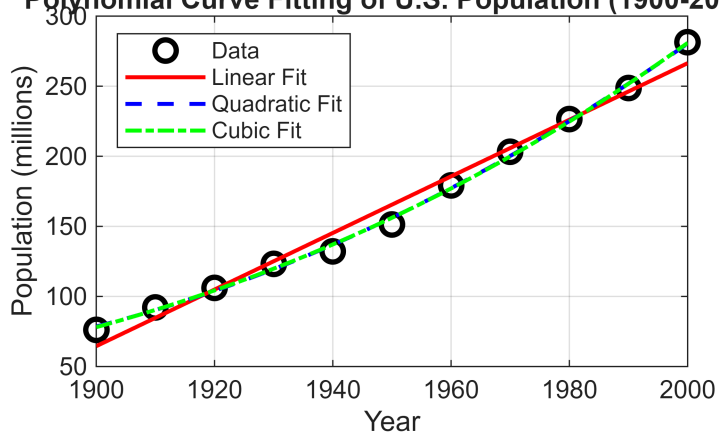
Polynomial Interpolation of U.S. Population (1900-2000)



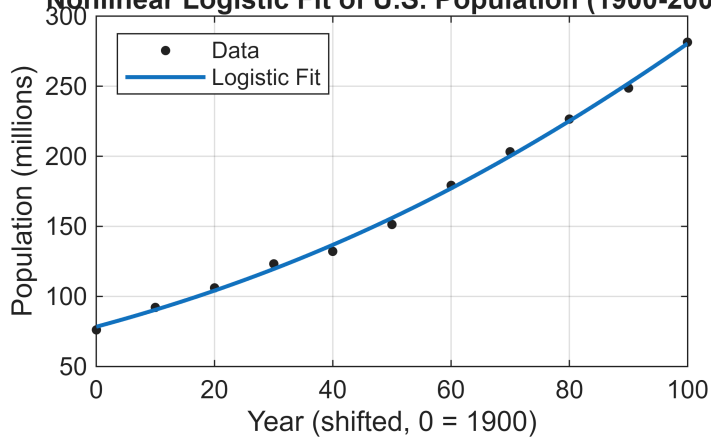
Cubic Spline Interpolation of U.S. Population (1900-2000)



Polynomial Curve Fitting of U.S. Population (1900-2000)



Nonlinear Logistic Fit of U.S. Population (1900-2000)



Logistic Fit Parameters:

General model:

$$\text{logistic_fit}(x) = K ./ (1 + A*\exp(-B*x))$$

Coefficients (with 95% confidence bounds):

K = 798.8 (280, 1318)
 A = 9.19 (3.008, 15.37)
 B = 0.01604 (0.01291, 0.01916)

Goodness of Fit:

sse: 95.5261
 rsquare: 0.9979
 dfe: 8
 adjrsquare: 0.9974
 rmse: 3.4555