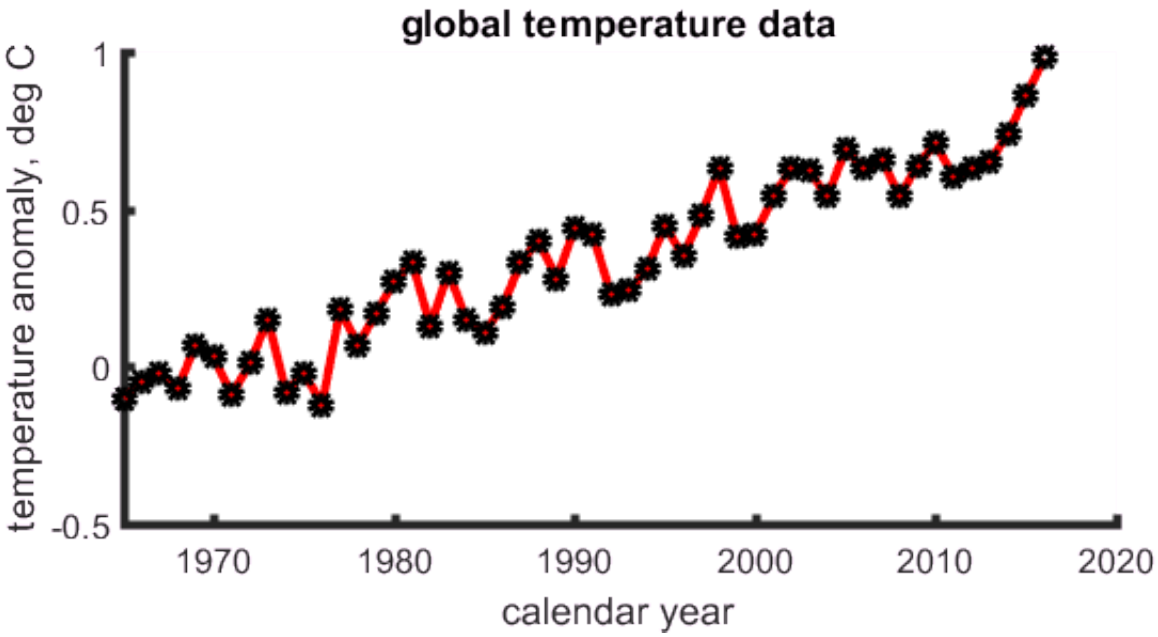
```
% gda00_14
%
% load and plot 1965-2017 global temperature data
% supports Section I.5.2 and Figure I.3

% Hansen, J., Mki. Sato, R. Ruedy, K. Lo, D.W. Lea, and M. Medina-Elizade,
% 2006: Global temperature change. Proc. Natl. Acad. Sci., 103, 14288-14293,
% doi:10.1073/pnas.0606291103.

% load
D=load('../data/global_temp.txt');
t=D(:,1);
d=D(:,2);
N=length(d);

% display first few lines
D(1:5,:)
```

```
ans =

   1.0e+03 *
    1.9650   -0.0001   -0.0000
    1.9660   -0.0001   -0.0001
    1.9670   -0.0000   -0.0000
    1.9680   -0.0001   -0.0000
    1.9690    0.0001   -0.0000
```

```
% plot data
figure(1);
set(gcf,'pos',[10, 10, 600, 300]);  % set size of figure
clf;
set(gca,'LineWidth',3);
set(gca,'FontSize',12);
hold on;
axis( [1965, 2020, -0.5, 1.0] );
plot(t,d,'r-','LineWidth',3); % plot data as red lines
plot(t,d,'ko','LineWidth',3); % plot data as black circles
xlabel('calendar year');
ylabel('temperature anomaly, deg C');
title('global temperature data');
```




```
% Figure I.3 Global temperature data for the time period [AU Note: was 1965-2010]
% 1965–2016. See text for further discussion. MatLab script gda00_14.
```