clc

clear all

close all

xtip=0.5; ytip=0.5; % arrow tip coordinates (normalized units)

w=0.25; %box width

h=0.15; %box height

offset=0.3;

str=['\bf{2) Processing and Augmentation}'];

x = [xtip-w-.05 xtip-w-.05]; % arrows start and end coordinates

y = [ytip+.35 ytip+.3]; % I've just offset by 0.1 in x and y.

%a=annotation('textarrow',x,y,'Color','k');

b=annotation('textbox',[xtip-w+.05 ytip+.25 w h],'String',str,'Color','w','EdgeColor','w','FaceAlpha',2,'Background',"k");

w=0.25; %box width

h=0.15; %box height

offset=0.3;

str=['audioDataAugmenter'];

%a=annotation('textarrow',x,y,'Color','k');

b=annotation('textbox',[xtip-w+.28 ytip+.25 w h],'String',str,'Color','k','EdgeColor','w','FaceAlpha',2,'Background',"w");

x = [xtip-w+.05 xtip-w+.3]; % arrows start and end coordinates

y = [ytip+.05 ytip+.05]; % I've just offset by 0.1 in x and y.

%a=annotation('arrow',x,y,'Color','k');

x = [xtip-w+.05 xtip-w+.15]; % arrows start and end coordinates

y = [ytip+.05 ytip+.25]; % I've just offset by 0.1 in x and y.

a=annotation('arrow',x,y,'Color','k');

x = [xtip-w+.15 xtip-w+.3]; % arrows start and end coordinates

y = [ytip+.25 ytip+.05]; % I've just offset by 0.1 in x and y.

a=annotation('arrow',x,y,'Color','k');

w=0.25; %box width

h=0.15; %box height

offset=0.3;

%str=['\bf{5G}'];

%a=annotation('textarrow',x,y,'Color','k');

%b=annotation('textbox',[xtip-w+.14 ytip w h],'String',str,'Color','k','EdgeColor','w','FaceAlpha',.2,'Background',"w");

w=0.25; %box width

h=0.15; %box height

offset=0.3;

str=['\bf{1) Model}'];

%a=annotation('textarrow',x,y,'Color','k');

b=annotation('textbox',[xtip-w-0.2 ytip-.1 w h],'String',str,'Color','w','EdgeColor','w','FaceAlpha',2,'Background',"k");

w=0.25; %box width

h=0.15; %box height

offset=0.3;

str=['LSTM and MLPs'];

%a=annotation('textarrow',x,y,'Color','k');

b=annotation('textbox',[xtip-w-0.2 ytip-.3 w h],'String',str,'Color','k','EdgeColor','w','FaceAlpha',2,'Background',"w");

%3)

w=0.25; %box width

h=0.15; %box height

offset=0.3;

str=['\bf{3) Feature Extraction and Time-Frequency}'];

%a=annotation('textarrow',x,y,'Color','k');

b=annotation('textbox',[xtip-w+0.35 ytip-.1 w h],'String',str,'Color','w','EdgeColor','w','FaceAlpha',2,'Background',"k");

w=0.25; %box width

h=0.15; %box height

offset=0.3;

str=['audioFeatureExtractor used for mfcc and spectral crest.'];

%a=annotation('textarrow',x,y,'Color','k');

b=annotation('textbox',[xtip-w+0.35 ytip-.3 w h],'String',str,'Color','k','EdgeColor','w','FaceAlpha',2,'Background',"w");

%title('Random Plot', 'Units', 'normalized', 'Position', [.5, 1.05, 0]);

%title('Figure x: XXX [no]. ', 'Position', [.5, 1.05, 0])

axis off;