

<pre>Out[66]: ['class',</pre>	
<pre>'le', 'lt', 'module', 'ne', 'new', 'reduce_ex', 'repr', 'setattr', 'setstate', 'sizeof', 'str', 'subclasshook', '_weakref', '_add_text',</pre>	
<pre>'_adjustable', '_agg_filter', '_alpha', '_anchor', '_animated', '_aspect', '_autoscaleXon', '_autoscaleYon', '_autotitlepos', '_axes', '_axes_locator', '_axisbelow', '_clipon', '_clippath', '_connected',</pre>	
<pre>'_contains', '_convert_dx', '_current_image', '_facecolor', '_frameon', '_gci', '_gen_axes_patch', '_gen_axes_spines', '_get_axis_list', '_get_clipping_extent_bbox', '_get_lines', '_get_patches_for_fill', '_get_view', '_gid',</pre>	
<pre>'_gridOn', '_in_layout', '_init_axis', '_label', '_layoutbox', '_left_title', '_make_twin_axes', '_mouseover', '_mouseover_set', '_navigate', '_navigate_mode', '_oid', '_on_units_changed', '_originalPosition', '_parse_scatter_color_args',</pre>	
<pre>'_path_effects', '_pcolorargs', '_picker', '_position', '_poslayoutbox', '_process_unit_info', '_prop_order', '_propobservers', '_quiver_units', '_rasterization_zorder', '_rasterized', '_remove_legend', '_remove_method', '_right_title', '_sci',</pre>	
<pre>'_set_artist_props', '_set_gc_clip', '_set_lim_and_transforms', '_set_position', '_set_title_offset_trans', '_set_view', '_set_view_from_bbox', '_shared_x_axes', '_shared_y_axes', '_sharey', '_sketch', '_snap', '_snap', '_stale',</pre>	
<pre>'_sticky_edges', '_tight', '_transform', '_transformSet', '_twinned_axes', '_update_image_limits', '_update_line_limits', '_update_patch_limits', '_update_title_position', '_update_transScale', '_url', '_use_sticky_edges', '_validate_converted_limits', ' visible',</pre>	
<pre>'_xaxis_transform', '_xcid', '_xmargin', '_yaxis_transform', '_ycid', '_ymargin', 'acorr', 'add_artist', 'add_callback', 'add_child_axes', 'add_collection', 'add_container', 'add_image', 'add_patch',</pre>	
<pre>'add_table', 'aname', 'angle_spectrum', 'annotate', 'apply_aspect', 'arrow', 'artists', 'autoscale', 'autoscale_view', 'axes', 'axhline', 'axhspan', 'axis', 'axison',</pre>	
<pre>'axvline', 'axvspan', 'bar', 'barbs', 'barh', 'bbox', 'boxplot', 'broken_barh', 'bxp', 'callbacks', 'can_pan', 'can_zoom', 'child_axes', 'cla', 'clabel',</pre>	
<pre>'clear', 'clipbox', 'cohere', 'collections', 'containers', 'contains point', 'contour', 'contourf', 'convert_xunits', 'convert_yunits', 'csd', 'dataLim', 'drag_pan', 'draw',</pre>	
'draw', 'draw_artist', 'end_pan', 'errorbar', 'eventplot', 'eventson', 'figure', 'fill', 'fill_between', 'fill_betweenx', 'findobj', 'fimt_xdata', 'ffmt_ydata', 'format_coord', 'format_cursor_data',	
<pre>'format_xdata', 'format_ydata', 'get_adjustable', 'get_agg_filter', 'get_alpha', 'get_anchor', 'get_animated', 'get_aspect', 'get_autoscale_on', 'get_autoscalex_on', 'get_autoscaley_on', 'get_axes_locator', 'get_axisbelow', 'get_children', 'get_clip_box',</pre>	
<pre>'get_clip_on', 'get_clip_path', 'get_contains', 'get_cursor_data', 'get_data_ratio', 'get_data_ratio_log', 'get_default_bbox_extra_artists', 'get_facecolor', 'get_fic', 'get_figure', 'get_images', 'get_images', 'get_in_layout',</pre>	
<pre>'get_label', 'get_legend', 'get_legend_handles_labels', 'get_lines', 'get_navigate', 'get_navigate mode', 'get_path_effects', 'get_picker', 'get_position', 'get_rasterization_zorder', 'get_rasterized', 'get_renderer_cache', 'get_shared_x_axes', 'get_shared_y_axes', 'get_sketch_params',</pre>	
<pre>'get_snap', 'get_tightbbox', 'get_title', 'get_transform', 'get_transformed_clip_path_and_affine', 'get_url', 'get_visible', 'get_window_extent', 'get_xaxis', 'get_xaxis_text1_transform', 'get_xaxis_text2_transform', 'get_xaxis_text2_transform', 'get_xbound', 'get_xgridlines', 'get_xlabel',</pre>	
<pre>'get_xlim', 'get_xmajorticklabels', 'get_xminorticklabels', 'get_xscale', 'get_xticklabels', 'get_xticklines', 'get_xticks', 'get_yaxis', 'get_yaxis_text1_transform', 'get_yaxis_text2_transform', 'get_yaxis_text2_transform', 'get_yaxis_transform', 'get_ybound', 'get_ybound', 'get_ygridlines', 'get_ylabel',</pre>	
<pre>'get_ylim', 'get_ymajorticklabels', 'get_yminorticklabels', 'get_yscale', 'get_yticklabels', 'get_yticklines', 'get_yticks', 'get_zorder', 'grid', 'has_data', 'have_units', 'hexbin', 'hist2d', 'hlines',</pre>	
<pre>'ignore_existing_data_limits', 'images', 'imshow', 'in_axes', 'indicate_inset', 'indicate_inset_zoom', 'inset_axes', 'invert_xaxis', 'invert_yaxis', 'is_transform_set', 'legend', 'legend_', 'legend_', 'lines', 'locator_params',</pre>	
<pre>'loglog', 'magnitude_spectrum', 'margins', 'matshow', 'minorticks_off', 'minorticks_on', 'mouseover', 'mouseover', 'name', 'patch', 'patches', 'polorfast', 'pcolorfast', 'pcolormesh',</pre>	
<pre>'phase_spectrum', 'pick', 'pickable', 'pie', 'plot', 'plot_date', 'properties', 'properties', 'psd', 'quiver', 'quiverkey', 'redraw_in_frame', 'relim', 'remove', 'remove_callback',</pre>	
<pre>'reset_position', 'scatter', 'secondary_xaxis', 'secondary_yaxis', 'semilogx', 'semilogy', 'set', 'set_adjustable', 'set_agg_filter', 'set_alpha', 'set_anchor', 'set_animated', 'set_aspect', 'set_autoscale_on', 'set_autoscalex_on',</pre>	
<pre>'set_autoscaley_on', 'set_axes_locator', 'set_axis_off', 'set_axis_on', 'set_axisbelow', 'set_clip_box', 'set_clip_on', 'set_clip_path', 'set_contains', 'set_facecolor', 'set_facerificure', 'set_frame_on', 'set_frame_on', 'set_gid',</pre>	
<pre>'set_in_layout', 'set_label', 'set_navigate', 'set_navigate_mode', 'set_path_effects', 'set_picker', 'set_position', 'set_prop_cycle', 'set_rasterization_zorder', 'set_rasterized', 'set_rasterized', 'set_sketch_params', 'set_snap', 'set_title', 'set_transform', 'set_url',</pre>	
<pre>'set_visible', 'set_xbound', 'set_xlabel', 'set_xlim', 'set_xmargin', 'set_xscale', 'set_xticklabels', 'set_xticks', 'set_ybound', 'set_ylabel', 'set_ylim', 'set_ymargin', 'set_yscale', 'set_yticklabels', 'set_yticklabels', 'set_yticklabels', 'set_yticklabels', 'set_yticks',</pre>	
<pre>'set_zorder', 'specgram', 'spines', 'spy', 'stackplot', 'stale', 'stale_callback', 'start_pan', 'stem', 'step', 'sticky_edges', 'streamplot', 'table', 'tables',</pre>	
<pre>'text', 'texts', 'tick_params', 'ticklabel_format', 'title', 'titleOffsetTrans', 'transAxes', 'transData', 'transLimits', 'transScale', 'tricontour', 'tricontourf', 'tripcolor', 'triplot', 'twinx',</pre>	
<pre>'twiny', 'update', 'update_datalim', 'update_datalim_bounds', 'update_from', 'use_sticky_edges', 'viewLim', 'violin', 'violinplot', 'vlines', 'xaxis', 'xaxis_date', 'xaxis_inverted', 'xcorr', 'yaxis',</pre>	
'yaxis_date',     'yaxis_inverted',     'zorder']  In []: #plot inside the plot  In [81]: fig = plt.figure()     ax1 = fig.add_axes([0,0,1,1])     ax2 = fig.add_axes([0.1,0.6,0.4,0.3])  ax1.plot(x,y,'g')     ax1.set_xlabel('x')     ax1.set_ylabel('y')	
ax1.set_title('y plot')  ax2.plot(x,y1,'r')  ax2.set_xlabel('x')  ax2.set_ylabel('y')  ax2.set_title('y2 plot')  Out[81]: Text(0.5, 1.0, 'y2 plot')  y plot  y2 plot	
30 - 200 - 2 4 6 8 10 × x 10 - 10 - 10 - 10 - 10 - 10 - 10 - 10	
In []: #now we will talk about the subplots  In [89]: fig, ax= plt.subplots(1,2)	
In []: #now we will talk about the subplots  In [89]: fig, ax= plt.subplots(1,2)     ax[0].plot(x,y,'b')     ax[1].plot(x,y,'g')  Out[89]: [ <matplotlib.lines.line2d 0xe52d190="" at="">]  40  40  40  40  40  40  40  40  40  4</matplotlib.lines.line2d>	
In [8]: \$\frac{\psi now we will talk about the subplots}{\psi}\$  Out[89]: {\left(anax = plt. subplots(1, 2) \\ ax(1).plot(x, y, 'g')}{\psi}\$  Out[89]: {\left(anax plt. subplots(1, 2) \\ ax(1).plot(x, y, 'g')} \\  In [91]: fig. ax = plt. subplots(1, 2) \\ for axes in ax: \\ axes.plot(x, y, 'g')}  40  40  40  40  40  40  40  40  40  4	
In []: #now we will talk about the subplots  In [89]: fig, ax= plt.subplots(1,2)	
In [15] they we will talk about the subplicts  To [17] tig, and put.supplict(2,2)	
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