

```

RAW=struct();

warning('off','all');
RAW.Confirmed = import_JHU_data('time_series_covid19_confirmed_global.csv');
RAW.Deaths = import_JHU_data('time_series_covid19_deaths_global.csv');
RAW.Recovered = import_JHU_data('time_series_covid19_recovered_global.csv');
warning('on','all');

Categories=fieldnames(RAW);
StartDate = datetime(2020,01,22);
EndDate = StartDate+days(size(RAW.(Categories{1}),2)-5);
Selected_Countries=categorical({'US','United Kingdom','Germany','Switzerland','Canada','France',
    'Singapore','Australia','India','Mauritius',...
    'Saudi Arabia','Korea, South','Italy'});

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StartDate

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StartDate = datetime
    22-Jan-2020

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EndDate

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EndDate = datetime
    08-Apr-2020 00:00:00

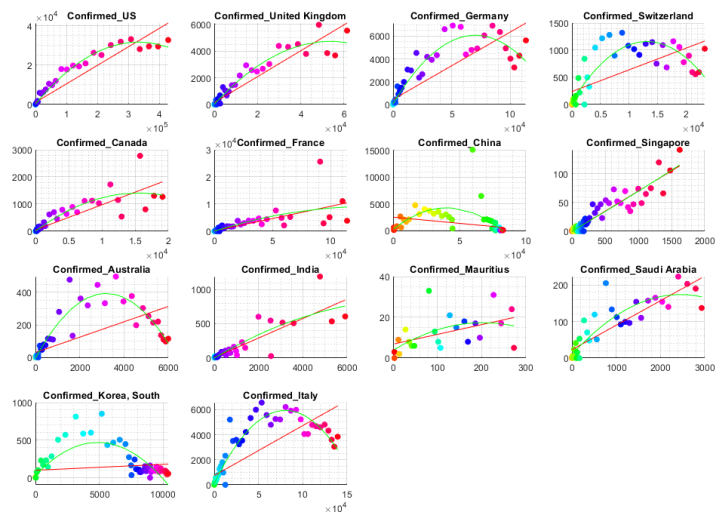
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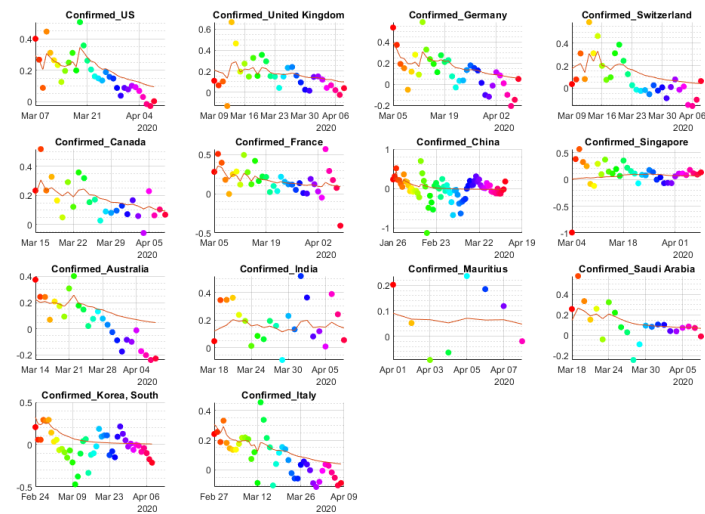
gradient_span=5; %days
CountrywiseData=struct();
for category_count=1:size(Categories,1)
    plot_titles=cell(size(Selected_Countries,2),1);
    for country_count=1:size(Selected_Countries,2)
        RAW.(Categories{category_count}).Country_Region=categorical(RAW.(Categories{category_count}).Country_Region==Selected_Countries(country_count));
        Idn=RAW.(Categories{category_count}).Country_Region==Selected_Countries(country_count);
        temp=RAW.(Categories{category_count}){Idn,(5:end)};
        CountrywiseData.(Categories{category_count})(country_count,:)=sum(temp,1);
        plot_titles{country_count,1}=[char(Categories{category_count}),'_ ',char(Selected_Countries(country_count))];
    end
    fig_title=char(Categories{category_count});

    SimpleScatter(StartDate,CountrywiseData.(Categories{category_count}),fig_title,plot_titles,
end

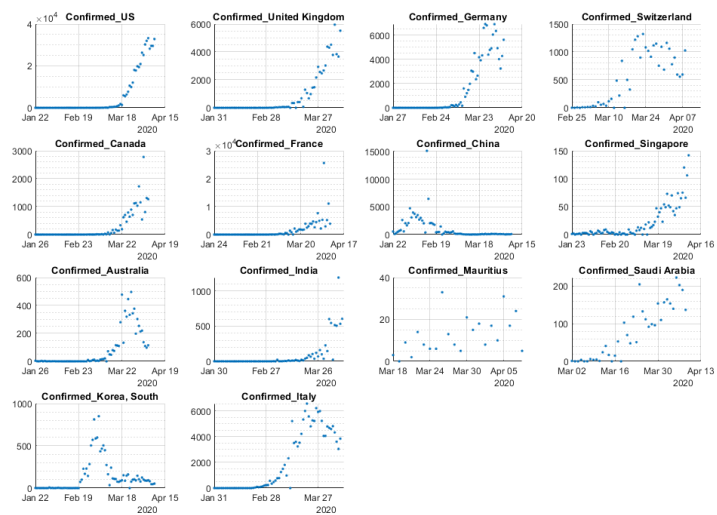
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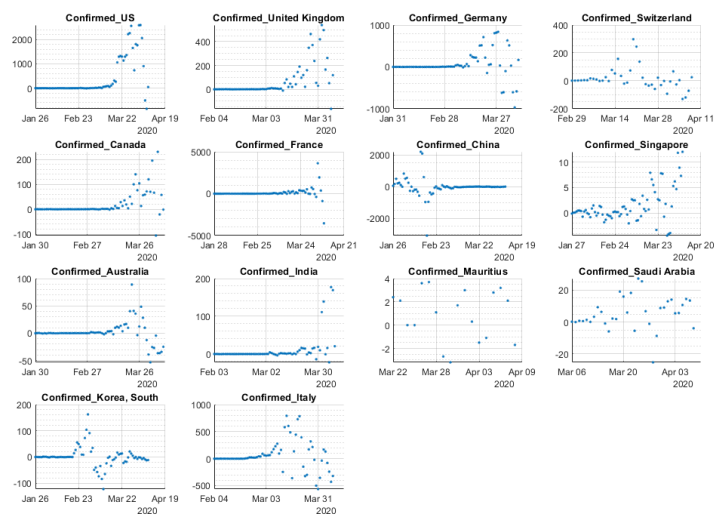
Daily v/s Cummu_Confirmed



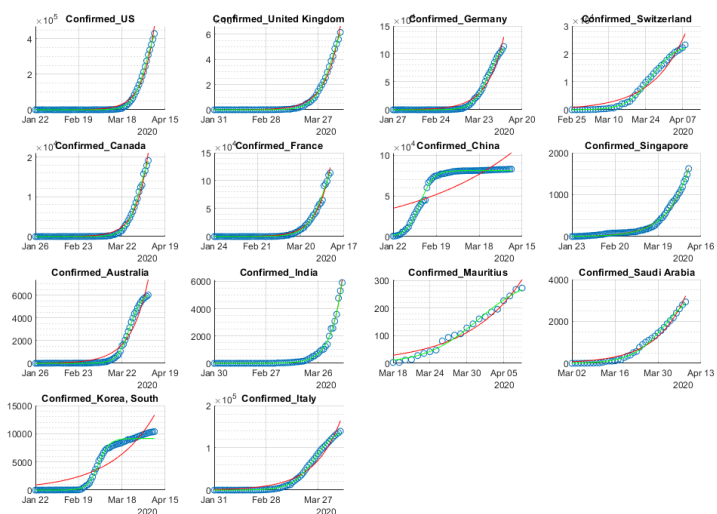
Grad of Daily v/s Cummu_Confirmed



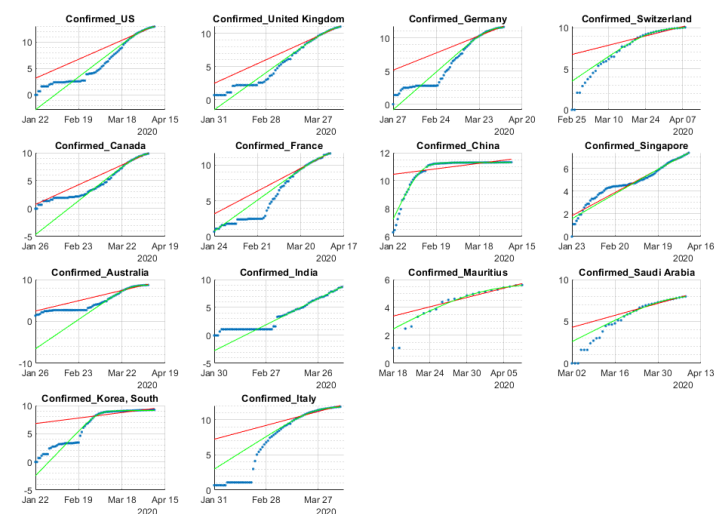
DailyIncrease_Confirmed



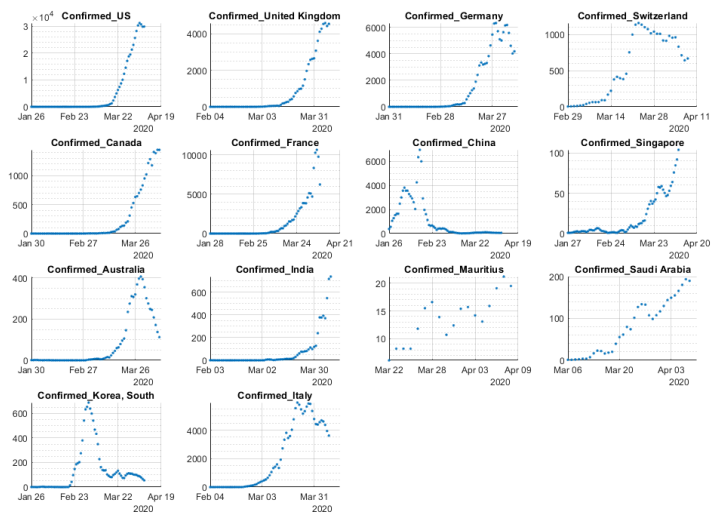
Grad of DailyIncrease_Confirmed



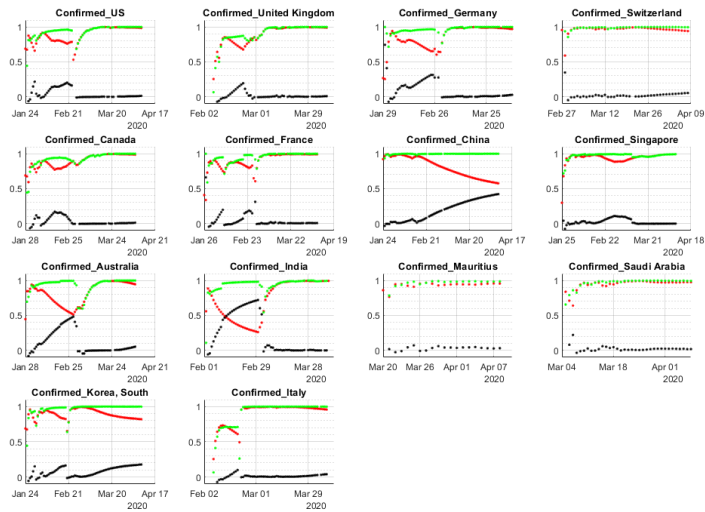
Confirmed



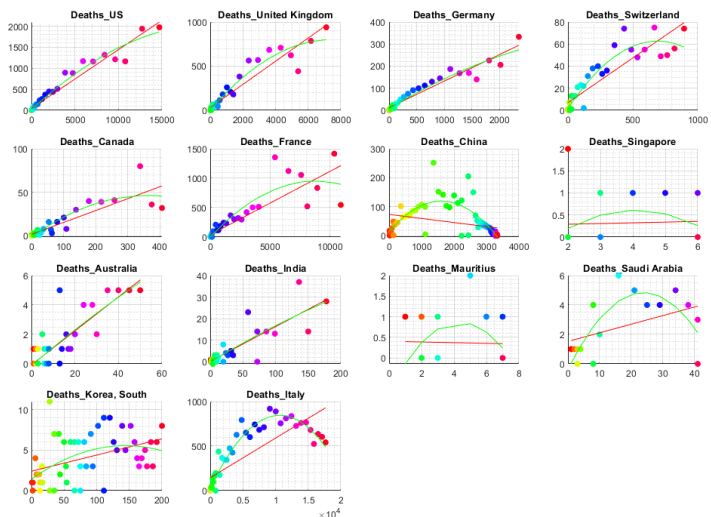
Log_Confirmed



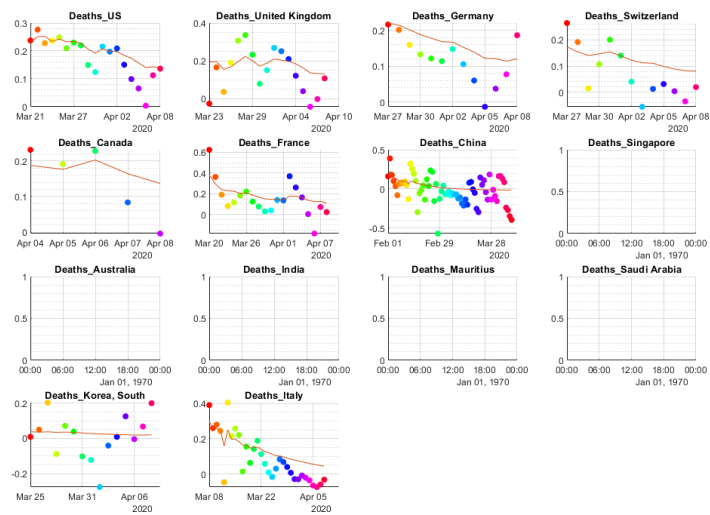
Gradient_Confirmed



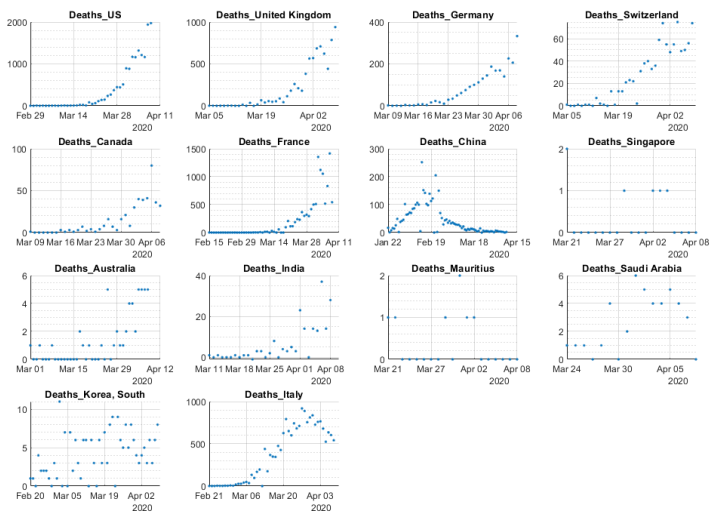
Goodness of Fit_Confirmed



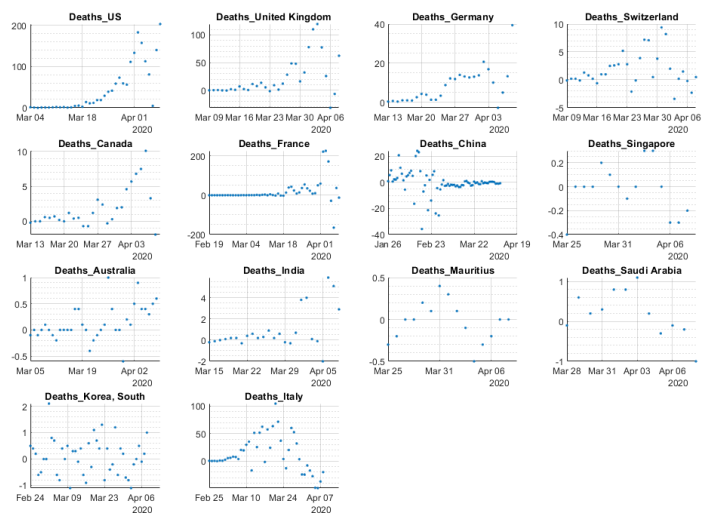
Daily v/s Cummu_Deaths



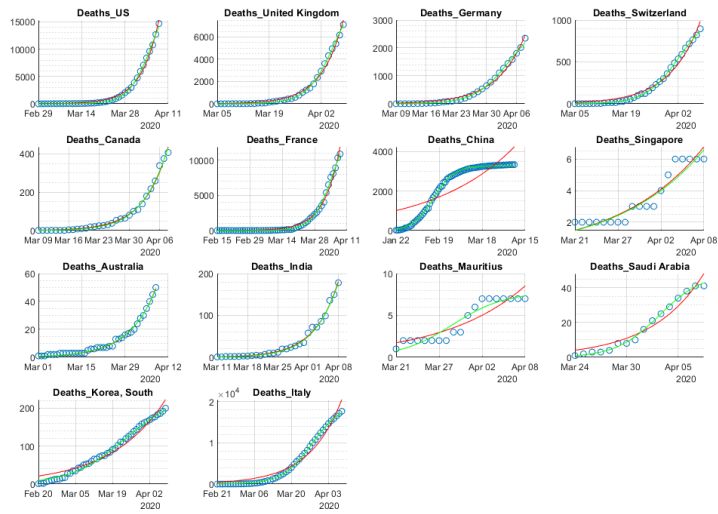
Grad of Daily v/s Cummu_Deaths



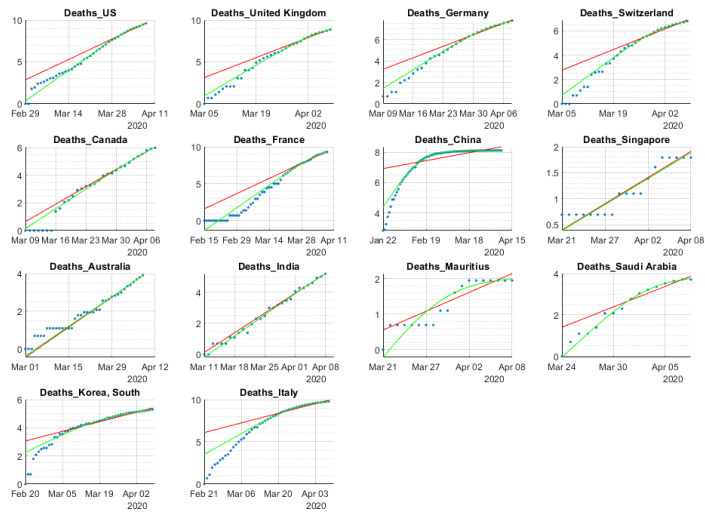
DailyIncrease_Deaths



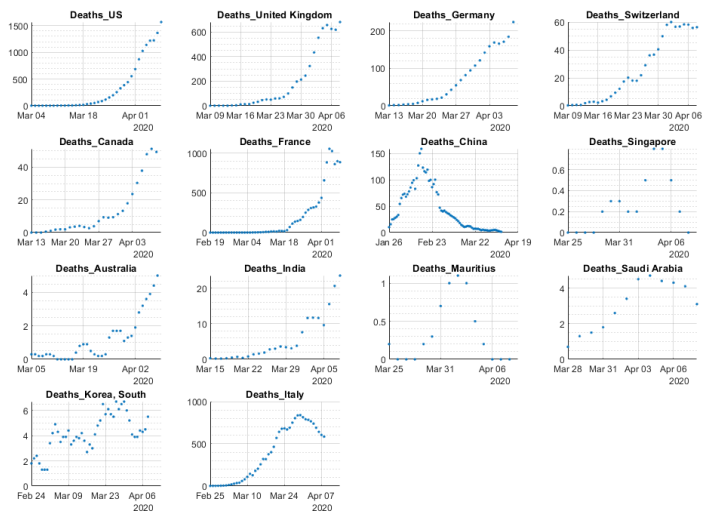
Grad of DailyIncrease_Deaths



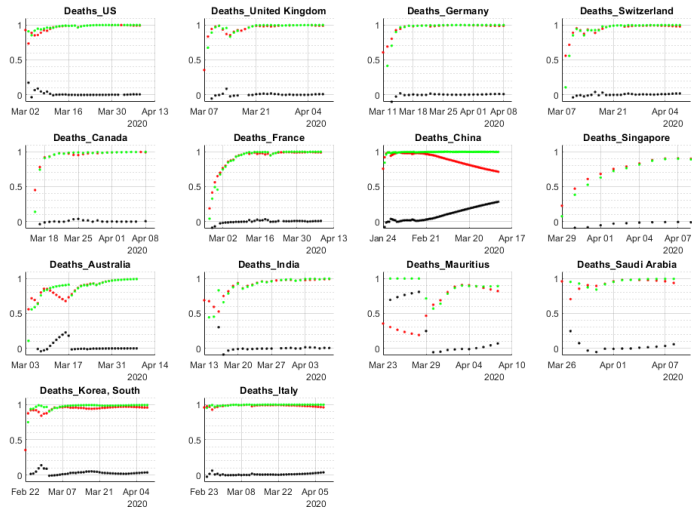
Deaths



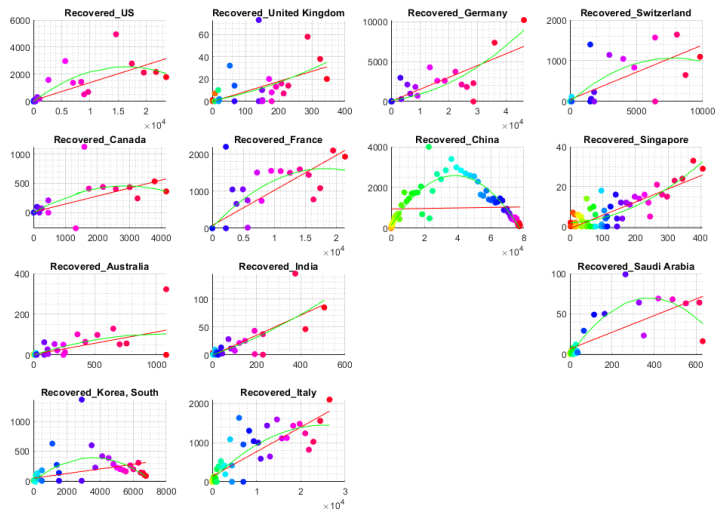
Log_Deaths



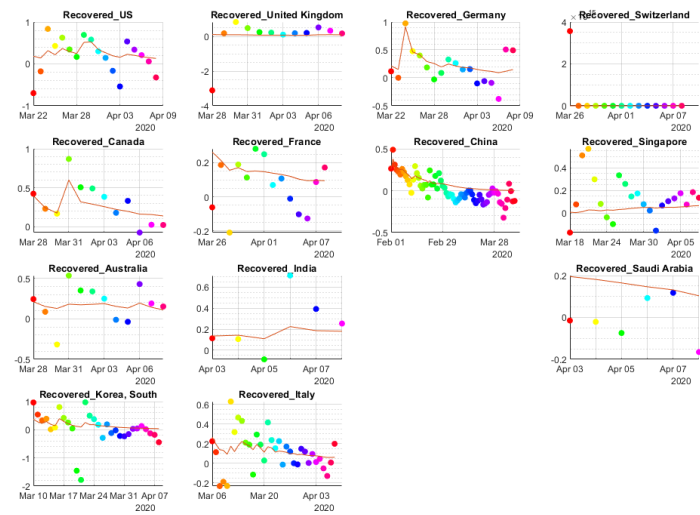
Gradient_Deaths



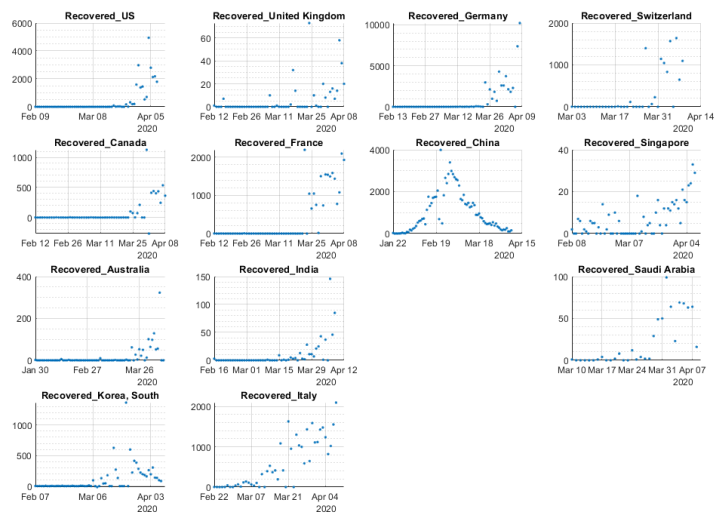
Goodness of Fit_Deaths



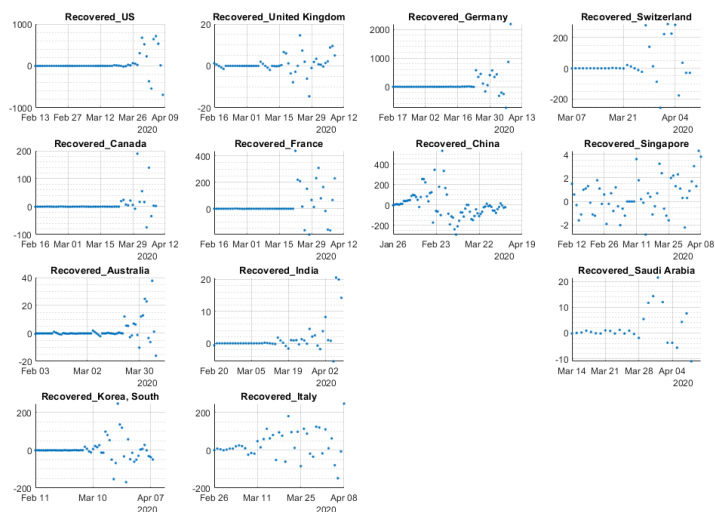
Daily v/s Cummu_Recovered



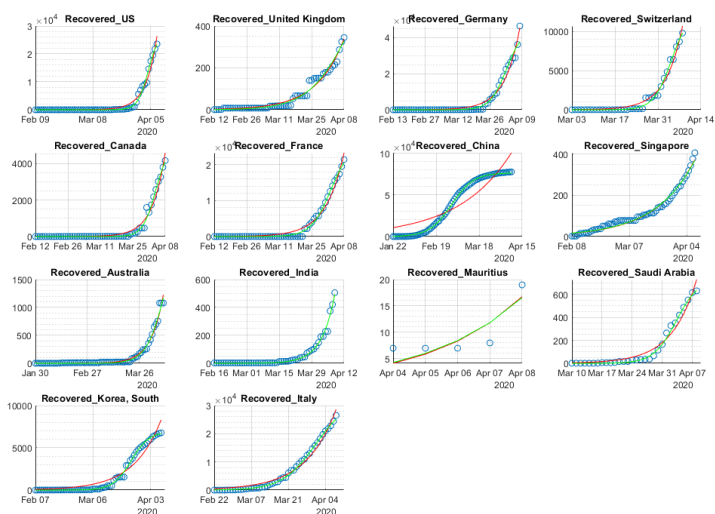
Grad of Daily v/s Cummu_Recovered



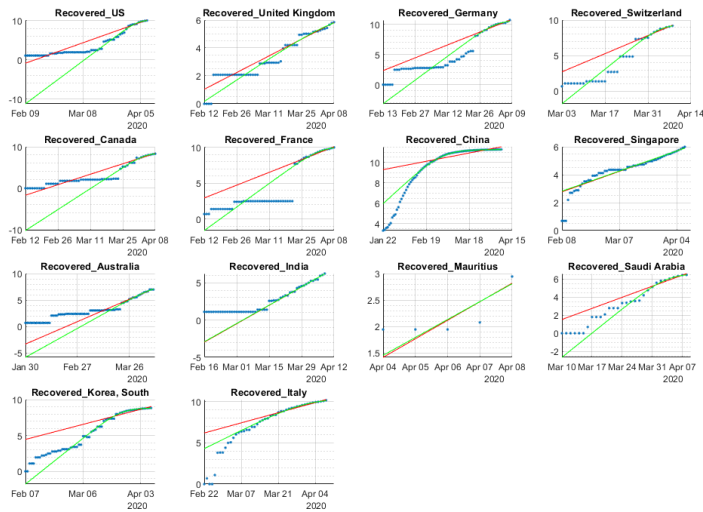
DailyIncrease_Recovered



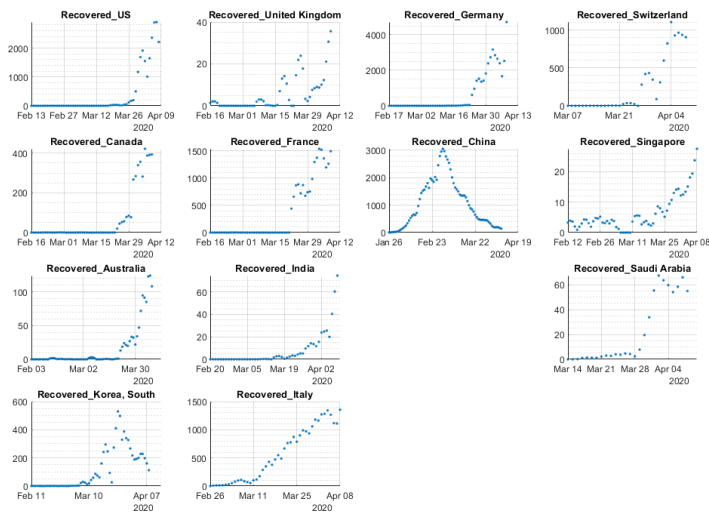
Grad of DailyIncrease_Recovered



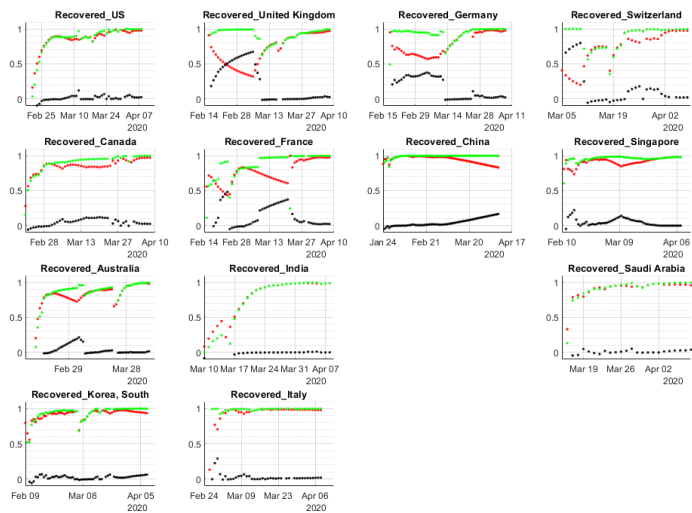
Recovered



Log_Recovered



Gradient_Recovered



Goodness of Fit_Recovered