Spain Cases **Deaths** 7 -- 1.0 0.14 6 -0.12 **-** 0.8 5 -% of population % of population Case data 0.10 **-** 0.6 DT_t 0.08 I_t (rhs) 0.06 -0.42 -0.04 Death data - 0.2 1 -0.02 DD_t 0 -- 0.0 0.00 2020-10 2020-10 2020-07 2021-10 2021-01 2021-04 2021-07 2021-10 2021-01 2021-04 2021-01 Infection rate Susceptible & vaccinated 100 3.0 S_t γ_t 2.5 V_t 80 2.0 % of population 60 1.5 1.0 40 0.5 20 0.0 -0.50 2020-10 2021-10 12020-102021-012021-042021-012021-10 2021-01 2021-04 2021-01 Mobility Death probability 30 0 Death probability 25 Forecast % deviations from norm -20 Random vaccines 20 Targeted vaccines -40 % 15 10 -60 Google mobility 5 Model -80 0 2020-10 2020-07 2021-01 2020-07 2020-10 2021-07 . 2021-10 2021-04 2021-10 0 2021.01 2021.04 2021.01