Supplementary Materials

Dataset Analysis

Table S1. Dataset analysis.

Attribute	Analysis	Value
abdominal_pain	Description	Symptom and sign information collected at the time of notification
abdominal_pain	Type of Data	Name (String)
abdominal_pain	Example	0
abdominal_pain	Filled	16.64%
abdominal_pain	Possible Values	0 = You don't have the Attribute,
abdominal_pain	Possible Values	1 = Has the Attribute,
abdominal_pain	Possible Values	"" = Missing
abdominal_pain	Data Quality Issues	Replace values "" = Missing, to 0 = You do not have the Attribute.
acute_renal_infirmity	Description	Information on whether the patient has acute renal failure as a comorbidity [discontinued on 26 November 2020].
acute_renal_infirmity	Type of Data	Name (String)
acute_renal_infirmity	Example	0
acute_renal_infirmity	Filled	60.14%
acute_renal_infirmity	Possible Values	0 = You don't have the Attribute,
acute_renal_infirmity	Possible Values	1 = Has the Attribute,
acute_renal_infirmity	Possible Values	"" = Missing
acute_renal_infirmity	Data Quality Issues	Replace values "" = Missing, to 0 = You do not have the Attribute.
analysis_1	Description	Type of test performed
analysis_1	Type of Data	Name (String)
analysis_1	Example	PCR
analysis_1	Filled	91.78%
analysis_1	Possible Values	PCR, ANTIGEN
analysis_1	Data Quality Issues	There are records with no associated test.
arthralgia	Description	Symptom and sign information collected at the time of notification
arthralgia	Type of Data	Name (String)
arthralgia	Example	0
arthralgia	Filled	60.14%
arthralgia	Possible Values	0 = You don't have the Attribute,
arthralgia	Possible Values	1 = Has the Attribute,
arthralgia	Possible Values	"" = Missing
arthralgia	Data Quality Issues	Replace values "" = Missing, to 0 = You do not have the Attribute.
asthma	Description	Information on whether the patient has asthma as a comorbidity.
asthma	Type of Data	Name (String)
asthma	Example	0
asthma	Filled	60.14%
asthma	Possible Values	0 = You don't have the Attribute,
asthma	Possible Values	1 = Has the Attribute,
asthma	Possible Values	"" = Missing

asthma	Data Quality Issues	Replace values "" = Missing, to 0 = You do not have the Attribute.
auscultation_anomalous	Description	Symptom and sign information collected at the time of notification [discontinued]
auscultation_anomalous	Type of Data	Name (String)
auscultation_anomalous	Example	0
auscultation_anomalous	Filled	60.14%
auscultation_anomalous	Possible Values	0 = You don't have the Attribute,
auscultation_anomalous	Possible Values	1 = Has the Attribute,
auscultation_anomalous	Possible Values	"" = Missing
auscultation_anomalous	Data Quality Issues	Replace values "" = Missing, to 0 = You do not have the Attribute.
cardiac_infirmity	Description	Information on whether the patient has heart failure as a comorbidity [discontinued].
cardiac_infirmity	Type of Data	Name (String)
cardiac_infirmity	Example	0
cardiac_infirmity	Filled	60.14%
cardiac_infirmity	Possible Values	0 = You don't have the Attribute,
cardiac_infirmity	Possible Values	1 = Has the Attribute,
cardiac_infirmity	Possible Values	"" = Missing
cardiac_infirmity	Data Quality Issues	Replace values "" = Missing, to 0 = You do not have the Attribute.
chest_pain	Description	Symptom and sign information collected at the time of notification
chest_pain	Type of Data	Name (String)
chest_pain	Example	0
chest_pain	Filled	16.98%
chest_pain	Possible Values	0 = You don't have the Attribute,
chest_pain	Possible Values	1 = Has the Attribute,
chest_pain	Possible Values	"" = Missing
chest_pain	Data Quality Issues	Replace values "" = Missing, to 0 = You do not have the Attribute.
chronic_hematologic_disease	Description	Information on whether the patient has chronic hematological diseases such as comorbidity.
chronic_hematologic_disease	Type of Data	Name (String)
chronic_hematologic_disease	Example	0
chronic_hematologic_disease	Filled	60.14%
chronic_hematologic_disease	Possible Values	0 = You don't have the Attribute,
chronic_hematologic_disease	Possible Values	1 = Has the Attribute,
chronic_hematologic_disease	Possible Values	"" = Missing
chronic_hematologic_disease	Data Quality Issues	Replace values "" = Missing, to 0 = You do not have the attribute.
chronic_neurological_deficiency	Description	Information on whether the patient has chronic neurological deficiency as a comorbidity [discontinued on 26 November 2020].
chronic_neurological_deficiency	Type of Data	Name (String)
chronic_neurological_deficiency	Example	0
chronic_neurological_deficiency	Filled	60.14%
chronic_neurological_deficiency	Possible Values	0 = You don't have the Attribute,
chronic_neurological_deficiency	Possible Values	1 = Has the Attribute,
chronic_neurological_deficiency	Possible Values	"" = Missing

chronic_neurological_deficiency	Data Quality Issues	Replace values "" = Missing, to 0 = You do not have the Attribute.
chronic_pulmonary_disease	Description	Information on whether the patient has any chronic lung disease as a comorbidity.
chronic_pulmonary_disease	Type of Data	Name (String)
chronic_pulmonary_disease	Example	0
chronic_pulmonary_disease	Filled	60.14%
chronic_pulmonary_disease	Possible Values	0 = You don't have the Attribute,
chronic_pulmonary_disease	Possible Values	1 = Has the Attribute,
chronic_pulmonary_disease	Possible Values	"" = Missing
chronic_pulmonary_disease	Data Quality Issues	Replace values "" = Missing, to 0 = You do not have the Attribute.
chronic_renal_disease	Description	Information on whether the patient has chronic kidney disease as a comorbidity.
chronic_renal_disease	Type of Data	Name (String)
chronic_renal_disease	Example	0
chronic_renal_disease	Filled	60.14%
chronic_renal_disease	Possible Values	0 = You don't have the Attribute,
chronic_renal_disease	Possible Values	1 = Has the Attribute,
chronic_renal_disease	Possible Values	"" = Missing
chronic_renal_disease	Data Quality Issues	Replace values "" = Missing, to 0 = You do not have the Attribute.
code_municipality_address_user	Description	Code for the municipality of Portugal that corresponds to the address of the confirmed case, according to the National Registry of Users.
code_municipality_address_user	Type of Data	Number (Integer)
code_municipality_address_user	Example	3109
code_municipality_address_user	Filled	97.63%
code_municipality_address_user	Possible Values	Code of municipalities
code_municipality_address_user	Data Quality Issues	There is a registration without a county code associated with the user's address.
code_municipality_occurrence	Description	Code for the municipality of Portugal where the confirmed case is residing
code_municipality_occurrence	Type of Data	Name (String)
code_municipality_occurrence	Example	3108
code_municipality_occurrence	Filled	28.11%
code_municipality_occurrence	Possible Values	Code of municipalities
code_municipality_occurrence	Data Quality Issues	There are records without a county code of occurrence of the associated user.
coma	Description	Symptom and sign information collected at the time of notification [discontinued]
coma	Type of Data	Name (String)
coma	Example	0
coma	Filled	60.14%
coma	Possible Values	0 = You don't have the Attribute,
coma	Possible Values	1 = Has the Attribute,
coma	Possible Values	"" = Missing

coma	Data Quality Issues	Replace values "" = Missing, to 0 = You do not have the Attribute.
confirmation_rule	Description	Form identifying the confirmed case of SARS-CoV-2/COVID-19 infection
confirmation_rule	Type of Data	Name (String)
confirmation_rule	Example	Clinical Notification
confirmation_rule	Filled	1
confirmation_rule	Possible Values	Case/Clinical Notification/Laboratory Notification
confirmation_rule	Data Quality Issues	No data quality problems identified
consumption_coagulopathy	Description	Information on whether the patient has consumption coagulopathy as a comorbidity [discontinued].
consumption_coagulopathy	Type of Data	Name (String)
consumption_coagulopathy	Example	0
consumption_coagulopathy	Filled	60.14%
consumption_coagulopathy	Possible Values	0 = You don't have the Attribute,
consumption_coagulopathy	Possible Values	1 = Has the Attribute,
consumption_coagulopathy	Possible Values	"" = Missing
consumption_coagulopathy	Data Quality Issues	Replace values "" = Missing, to 0 = You do not have the Attribute.
convulsions	Description	Symptom and sign information collected at the time of notification
convulsions	Type of Data	Name (String)
convulsions	Example	0
convulsions	Filled	60.14%
convulsions	Possible Values	0 = You don't have the Attribute,
convulsions	Possible Values	1 = Has the Attribute,
convulsions	Possible Values	"" = Missing
convulsions	Data Quality Issues	Replace values "" = Missing, to 0 = You do not have the Attribute.
coryza	Description	Symptom and sign information collected at the time of notification
coryza	Type of Data	Name (String)
coryza	Example	0
coryza	Filled	20.72%
coryza	Possible Values	0 = You don't have the Attribute,
coryza	Possible Values	1 = Has the Attribute,
coryza	Possible Values	"" = Missing
coryza	Data Quality Issues	Replace values "" = Missing, to 0 = You do not have the Attribute.
date_confirmed	Description	Date the person was identified as a confirmed case of infection by SARS-CoV-2/COVID-19.
date_confirmed	Type of Data	String
date_confirmed	Example	44222
date_confirmed	Filled	1
date_confirmed	Possible Values	Dates between 02/03/2020 to 28/02/2021
date_confirmed	Data Quality Issues	No data quality problems identified
date_obit	Description	Date of the patient dying with SARS-CoV-2/COVID-19.
date_obit	Type of Data	Data (date)
date_obit	Example	44482

date_obit	Filled	1.98%
date_obit	Possible Values	Dates between 02/03/2020 and 08/03/2021
date_obit	Data Quality Issues	Events without date
date_of_start_of_symptoms	Description	Symptom onset date
date_of_start_of_symptoms	Type of Data	Date
date_of_start_of_symptoms	Example	44214
date_of_start_of_symptoms	Filled	34.76%
date_of_start_of_symptoms	Possible Values	Dates between 02/03/2020 to 02/27/2021
date_of_start_of_symptoms	Data Quality Issues	There are records with no associated values. Replace the blank values with "NA".
description_ municipality _correspondence	Description	Name of the municipality of Portugal that corresponds to the address of the confirmed case, according to the National Registry of Users
description_ municipality _correspondence	Type of Data	Name (String)
description_ municipality _correspondence	Example	Braga
description_ municipality _correspondence	Filled	97.26%
description_ municipality _correspondence	Possible Values	List of municipalities in Portugal
description_ municipality _correspondence	Data Quality Issues	There are records without a description of the county associated with the user's address.
description_ municipality _occurrence	Description	Name of the municipality of Portugal where the confirmed case is residing
description_ municipality _occurrence	Type of Data	String (Name)
description_ municipality _occurrence	Example	Guimarães
description_ municipality _occurrence	Filled	28.11%
description_ municipality _occurrence	Possible Values	List of municipalities in Portugal
description_ municipality _occurrence	Data Quality Issues	There are records without a description of the county associated with the user's address.
diabetes	Description	Information on whether the patient has a known history of Diabetes insipidus or Diabetes Mellitus type 1.2 or gestational
diabetes	Type of Data	Name (String)
diabetes	Example	0
diabetes	Filled	60.14%
diabetes	Possible Values	0 = You don't have the Attribute,
diabetes	Possible Values	1 = Has the Attribute,
diabetes	Possible Values	"" = Missing
diabetes	Data Quality Issues	Replace values "" = Missing, to 0 = You do not have the Attribute.
diarrhea	Description	Symptom and sign information collected at the time of notification
diarrhea	Type of Data	Name (String)

diarrhea	Example	0
diarrhea	Filled	60.14%
diarrhea	Possible Values	0 = You don't have the Attribute,
diarrhea	Possible Values	1 = Has the Attribute,
diarrhea	Possible Values	"" = Missing
diarrhea	Data Quality Issues	Replace values "" = Missing, to 0 = You do not have the Attribute.
disease_presentation	Description	Symptom and sign information collected at the time of notification
disease_presentation	Type of Data	Name (String)
disease_presentation	Example	Asymptomatic
disease_presentation	Filled	42.64%
disease_presentation	Possible Values	Asymptomatic/Symptomatic
disease_presentation	Data Quality Issues	There is a record without Description for the presentation of the disease in the user.
dry_or_productive_cough	Description	Symptom and sign information collected at the time of notification
dry_or_productive_cough	Type of Data	Name (String)
dry_or_productive_cough	Example	0
dry_or_productive_cough	Filled	28.09%
dry_or_productive_cough	Possible Values	0 = You don't have the Attribute,
dry_or_productive_cough	Possible Values	1 = Has the Attribute,
dry_or_productive_cough	Possible Values	"" = Missing
dry_or_productive_cough	Data Quality Issues	Replace values "" = Missing, to 0 = You do not have the Attribute.
during_incubation_period	Attribute	fora_de_portugal
during_incubation_period	Description	If the user was outside Portugal in the 14 days prior to the notification date.
during_incubation_period	Type of Data	Name (String)
during_incubation_period	Example	0
during_incubation_period	Filled	26.13%
during_incubation_period	Possible Values	0 = You don't have the Attribute,
during_incubation_period	Possible Values	1 = Has the Attribute,
during_incubation_period	Possible Values	"" = Missing
during_incubation_period	Data Quality Issues	Replace values "" = Missing, to 0 = You do not have the Attribute.
dyspnea	Description	Symptom and sign information collected at the time of notification
dyspnea	Type of Data	Name (String)
dyspnea	Example	0
dyspnea	Filled	19.36%
dyspnea	Possible Values	0 = You don't have the Attribute,
dyspnea	Possible Values	1 = Has the Attribute,
dyspnea	Possible Values	"" = Missing
dyspnea	Data Quality Issues	Replace values "" = Missing, to 0 = You do not have the Attribute.
general_weakness_or_asthenia	Description	Symptom and sign information collected at the time of notification
general_weakness_or_asthenia	Type of Data	Name (String)
general_weakness_or_asthenia	Example	0

general_weakness_or_asthenia	Filled	18.82%
general_weakness_or_asthenia	Possible Values	0 = You don't have the Attribute,
general_weakness_or_asthenia	Possible Values	1 = Has the Attribute,
general_weakness_or_asthenia	Possible Values	"" = Missing
general_weakness_or_asthenia	Data Quality Issues	Replace values "" = Missing, to 0 = You do not have the Attribute.
headache	Description	Symptom and sign information collected at the time of notification
headache	Type of Data	Name (String)
headache	Example	0
headache	Filled	23.15%
headache	Possible Values	0 = You don't have the Attribute,
headache	Possible Values	1 = Has the Attribute,
headache	Possible Values	"" = Missing
headache	Data Quality Issues	Replace values "" = Missing, to 0 = You do not have the Attribute.
history_of_fever_or_chills	Description	Symptom and sign information collected at the time of notification
history_of_fever_or_chills	Type of Data	Name (String)
history_of_fever_or_chills	Example	0
history_of_fever_or_chills	Filled	25.70%
history_of_fever_or_chills	Possible Values	0 = You don't have the Attribute,
history_of_fever_or_chills	Possible Values	1 = Has the Attribute,
history_of_fever_or_chills	Possible Values	"" = Missing
history_of_fever_or_chills	Data Quality Issues	Replace values "" = Missing, to 0 = You do not have the Attribute.
hiv_other_immunodeficiencies	Description	Information about whether the patient has HIV or other immunodeficiencies such as comorbidity.
hiv_other_immunodeficiencies	Type of Data	Name (String)
hiv_other_immunodeficiencies	Example	0
hiv_other_immunodeficiencies	Filled	60.14%
hiv_other_immunodeficiencies	Possible Values	0 = You don't have the Attribute,
hiv_other_immunodeficiencies	Possible Values	1 = Has the Attribute,
hiv_other_immunodeficiencies	Possible Values	"" = Missing
hiv_other_immunodeficiencies	Data Quality Issues	Replace values "" = Missing, to 0 = You do not have the Attribute.
irritability_confusion	Description	Symptom and sign information collected at the time of notification [discontinued]
irritability_confusion	Type of Data	Name (String)
irritability_confusion	Example	0
irritability_confusion	Filled	60.14%
irritability_confusion	Possible Values	0 = You don't have the Attribute,
irritability_confusion	Possible Values	1 = Has the Attribute,
irritability_confusion	Possible Values	"" = Missing
irritability_confusion	Data Quality Issues	Replace values "" = Missing, to 0 = You do not have the Attribute.
liver_pathology	Description	Information on whether the patient has any liver disease as a comorbidity.
liver_pathology	Type of Data	Name (String)
liver_pathology	Example	0
liver_pathology	Filled	60.14%

liver_pathology	Possible Values	0 = You don't have the Attribute,
liver_pathology	Possible Values	1 = Has the Attribute,
liver_pathology	Possible Values	"" = Missing
liver_pathology	Data Quality Issues	Replace values "" = Missing, to 0 = You do not have the Attribute.
lung_x-ray_with_alterations	Description	Symptom and sign information collected at the time of notification [discontinued]
lung_x-ray_with_alterations	Type of Data	Name (String)
lung_x-ray_with_alterations	Example	0
lung_x-ray_with_alterations	Filled	60.14%
lung_x-ray_with_alterations	Possible Values	0 = You don't have the Attribute,
lung_x-ray_with_alterations	Possible Values	1 = Has the Attribute,
lung_x-ray_with_alterations	Possible Values	"" = Missing
lung_x-ray_with_alterations	Data Quality Issues	Replace values "" = Missing, to 0 = You do not have the Attribute.
myalgias	Description	Symptom and sign information collected at the time of notification
myalgias	Type of Data	Name (String)
myalgias	Example	0
myalgias	Filled	23.64%
myalgias	Possible Values	0 = You don't have the Attribute,
myalgias	Possible Values	1 = Has the Attribute,
myalgias	Possible Values	"" = Missing
myalgias	Data Quality Issues	Replace values "" = Missing, to 0 = You do not have the Attribute.
nausea_vomiting	Description	Symptom and sign information collected at the time of notification
nausea_vomiting	Type of Data	Name (String)
nausea_vomiting	Example	0
nausea_vomiting	Filled	60.14%
nausea_vomiting	Possible Values	0 = You don't have the Attribute,
nausea_vomiting	Possible Values	1 = Has the Attribute,
nausea_vomiting	Possible Values	"" = Missing
nausea_vomiting	Data Quality Issues	Replace values "" = Missing, to 0 = You do not have the Attribute.
neoplasia	Description	Information on whether the patient has neoplasia as a comorbidity
neoplasia	Type of Data	Name (String)
neoplasia	Example	0
neoplasia	Filled	60.14%
neoplasia	Possible Values	0 = You don't have the Attribute,
neoplasia	Possible Values	1 = Has the Attribute,
neoplasia	Possible Values	"" = Missing
neoplasia	Data Quality Issues	Replace values "" = Missing, to 0 = You do not have the Attribute.
neurological_or_neuromuscular_disease	Description	Information on whether the patient has chronic neurological or neuromuscular disorders such as comorbidity [discontinued].
neurological_or_neuromuscular_disease	Type of Data	Name (String)
neurological_or_neuromuscular_disease	Example	0

neurological_or_neuromuscular_disease	Filled	60.14%
neurological_or_neuromuscular_disease	Possible Values	0 = You don't have the Attribute,
neurological_or_neuromuscular_disease	Possible Values	1 = Has the Attribute,
neurological_or_neuromuscular_disease	Possible Values	"" = Missing
neurological_or_neuromuscular_disease	Data Quality Issues	Replace values "" = Missing, to 0 = You do not have the Attribute.
odynophagia	Description	Symptom and sign information collected at the time of notification
odynophagia	Type of Data	Name (String)
odynophagia	Example	0
odynophagia	Filled	19.99%
odynophagia	Possible Values	0 = You don't have the Attribute,
odynophagia	Possible Values	1 = Has the Attribute,
odynophagia	Possible Values	"" = Missing
odynophagia	Data Quality Issues	Replace values "" = Missing, to 0 = You do not have the Attribute.
parent_nationality	Description	Nationality of the confirmed case.
parent_nationality	Type of Data	Name (String)
parent_nationality	Example	Portugal
parent_nationality	Filled	98.81%
parent_nationality	Possible Values	Nationality of the user of the confirmed case.
parent_nationality	Data Quality Issues	There are records without associated user nationality.
patient_gender	Description	Gender of confirmed case
patient_gender	Type of Data	Character
patient_gender	Example	F
patient_gender	Filled	99.97%
patient_gender	Possible Values	F/M
patient_gender	Data Quality Issues	There are records with no associated gender.
pneumonia	Description	Symptom and sign information collected at the time of notification
pneumonia	Type of Data	Name (String)
pneumonia	Example	0
pneumonia	Filled	7.76%
pneumonia	Possible Values	0 = You don't have the Attribute,
pneumonia	Possible Values	1 = Has the Attribute,
pneumonia	Possible Values	"" = Missing
pneumonia	Data Quality Issues	Replace values "" = Missing, to 0 = You do not have the Attribute.
tachycardia	Description	Symptom and sign information collected at the time of notification　[discontinued]
tachycardia	Type of Data	Name (String)
tachycardia	Example	0
tachycardia	Filled	60.14%
tachycardia	Possible Values	0 = You don't have the Attribute,
tachycardia	Possible Values	1 = Has the Attribute,
tachycardia	Possible Values	"" = Missing

tachycardia	Data Quality Issues	Replace values "" = Missing, to 0 = You do not have the Attribute.
the_patient_has_comorbidities	Description	Information on whether the patient has comorbidities at the date of notification
the_patient_has_comorbidities	Type of Data	Name (String)
the_patient_has_comorbidities	Example	0
the_patient_has_comorbidities	Filled	25.07%
the_patient_has_comorbidities	Possible Values	0 = You don't have the Attribute,
the_patient_has_comorbidities	Possible Values	1 = Has the Attribute,
the_patient_has_comorbidities	Possible Values	"" = Missing
the_patient_has_comorbidities	Data Quality Issues	Replace values "" = Missing, to 0 = You do not have the Attribute.
user_age_at_validation_date	Description	Age of the confirmed case at the date of notification.
user_age_at_validation_date	Type of Data	Numeric (Integer)
user_age_at_validation_date	Example	44
user_age_at_validation_date	Filled	91.82%
user_age_at_validation_date	Possible Values	Values between 0 and 120 years.
user_age_at_validation_date	Data Quality Issues	There are records with no associated age.
virus_variant	Description	Most common variants of COVID-19 disease
virus_variant	Type of Data	Nome (String)
virus_variant	Example	Variant501V2
virus_variant	Filled	0.19%
virus_variant	Possible Values	Variant501V2, VariantP1, VariantSGeneDelete, VariantVOC_202012_01, VARIANT_OTHER
virus_variant	Data Quality Issues	Some records do not have an associated variant.
virus_variant_other	Description	Remaining variants of COVID-19 disease
virus_variant_other	Type of Data	Name (String)
virus_variant_other	Example	B.1
virus_variant_other	Filled	0.1%
virus_variant_other	Possible Values	A.21, P.2, B.1.2, entre outros
virus_variant_other	Data Quality Issues	There are no data quality problems to present, since it is a complementary column and is linked to "virus_variant".
which_country	Description	Identifies the country where the confirmed case was during the incubation period.
which_country	Type of Data	Name (String)
which_country	Example	France
which_country	Filled	0.57%
which_country	Possible Values	ISO 3166 list of countries
which_country	Data Quality Issues	Replace blank values with "NA" - Not applicable

Classification Results

s:
1 = {All comorbidities, symptoms, age and gender}
2 = {All comorbidities, age and gender}
3 = {Risk comorbidities, age and gender}
4 = {All comorbidities, symptoms and age}
5 = {All comorbidities and symptoms}
6 = {All comorbidities}
7 = {All comorbidities and age}
8 = {All comorbidities and gender}

t:
1 = Logistic Regression
2 = Naive Bayes
3 = Decision Tree
4 = SVM
5 = Deep Learning

sm:
1 = Oversampling
2 = Undersampling

Table S2. Patient's Outcome results.

Scenario (s)	Classification Algorithms (t)	Sampling Methods					
		Oversampling			Undersampling		
		Accuracy	Sensitivity	Specificity	Accuracy	Sensitivity	Specificity
s = 1	t = 1	88.82%	85.80%	91.81%	87.08%	77.56%	96.59%
	t = 2	62.11%	96.19%	28.44%	62.05%	95.84%	28.24%
	t = 3	90.99%	86.79%	95.14%	87.62%	82.81%	92.43%
	t = 5	89.32%	84.41%	94.18%	89.57%	84.24%	94.89%
s = 2	t = 1	88.25%	83.46%	92.99%	88.17%	84.04%	92.30%
	t = 2	58.60%	96.66%	21.00%	59.05%	96.52%	21.56%
	t = 3	88.94%	84.43%	93.39%	87.52%	81.72%	93.25%
	t = 5	88.35%	83.38%	93.26%	88.00%	97.18%	88.82%
s = 3	t = 1	87.63%	79.25%	95.92%	88.00%	83.77%	92.23%
	t = 2	57.79%	96.93%	19.12%	60.72%	97.20%	24.27%
	t = 3	88.91%	84.60%	93.16%	88.27%	84.11%	92.43%
	t = 5	88.17%	81.44%	94.82%	88.41%	85.40%	91.41%
s = 4	t = 1	88.65%	85.90%	91.39%	88.34%	83.42%	93.25%
	t = 2	62.14%	96.27%	28.43%	62.15%	96.18%	28.15%
	t = 3	90.67%	86.08%	95.20%	88.31%	82.26%	94.34%
	t = 5	89.19%	85.12%	93.21%	88.54%	82.88%	94.21%
s = 5	t = 1	65.50%	92.86%	38.47%	87.66%	82.19%	93.12%
	t = 2	61.95%	96.12%	28.14%	64.54%	97.27%	31.83%
	t = 3	66.58%	93.81%	39.67%	66.18%	97.07%	35.31%
	t = 5	66.07%	94.69%	38.40%	71.39%	94.61%	48.19%
s = 6	t = 1	58.65%	96.75%	21.00%	58.64%	96.70%	21.03%
	t = 2	58.62%	96.75%	20.96%	58.17%	98.30%	18.06%
	t = 3	58.72%	96.80%	21.08%	58.17%	98.77%	17.59%
	t = 5	58.66%	96.80%	20.98%	60.42%	96.11%	24.74%
s = 7	t = 1	88.13%	84.80%	91.41%	88.14%	79.20%	97.01%
	t = 2	58.72%	96.68%	21.21%	61.13%	97.41%	24.88%
	t = 3	88.13%	84.80%	91.41%	87.76%	83.90%	91.61%
	t = 5	58.68%	96.95%	21.16%	87.69%	87.18%	88.21%
s = 8	t = 1	58.65%	96.76%	20.99%	60.86%	97.00%	24.74%
	t = 2	58.56%	96.67%	20.91%	58.23%	98.43%	18.06%
	t = 3	58.93%	96.35%	21.95%	57.76%	97.95%	17.59%
	t = 5	58.60%	96.71%	20.95%	60.55%	96.38%	24.74%