

course-modes

```
## # A tibble: 92 x 16
##   check SUBJECT type 'online (fall)' 'hybrid (fall)' 'in-person (fal~
##   <chr> <chr>   <chr>           <dbl>           <dbl>           <dbl>
## 1 o   Air Fo~ depa~             0             4             0
## 2 x   Africa~ depa~            17             3             0
## 3 o   Art Hi~ Art ~             7             4             0
## 4 o   Visual~ Art ~             2            12             5
## 5 o   VMS:   Art ~            32            18             2
## 6 o   Asian ~ Asia~            28             7             0
## 7 o   Biolog~ depa~             0             6             9
## 8 o   Biomed~ depa~             0            11             0
## 9 o   Lat. A~ <NA>             6             1             0
## 10 o  Chemis~ depa~             4             5             0
## # ... with 82 more rows, and 10 more variables: 'online (spring)' <dbl>,
## #   'hybrid (spring)' <dbl>, 'in-person (spring)' <dbl>, 'trinity/pratt' <chr>,
## #   'major/minor/cert/none' <chr>, 'BS/BA/both' <chr>, ROTC <dbl>,
## #   language <dbl>, NOTES <chr>, 'Additional Notes' <chr>
```

Data cleaning

```
## # A tibble: 92 x 33
##   check SUBJECT type 'online (fall)' 'hybrid (fall)' 'in-person (fal~
##   <chr> <chr>   <chr>           <dbl>           <dbl>           <dbl>
## 1 o   Air Fo~ depa~             0             4             0
## 2 x   Africa~ depa~            17             3             0
## 3 o   Art Hi~ Art ~             7             4             0
## 4 o   Visual~ Art ~             2            12             5
## 5 o   VMS:   Art ~            32            18             2
## 6 o   Asian ~ Asia~            28             7             0
## 7 o   Biolog~ depa~             0             6             9
## 8 o   Biomed~ depa~             0            11             0
## 9 o   Lat. A~ <NA>             6             1             0
## 10 o  Chemis~ depa~             4             5             0
## # ... with 82 more rows, and 27 more variables: 'online (spring)' <dbl>,
## #   'hybrid (spring)' <dbl>, 'in-person (spring)' <dbl>, 'trinity/pratt' <chr>,
## #   'major/minor/cert/none' <chr>, 'BS/BA/both' <chr>, ROTC <dbl>,
## #   language <dbl>, NOTES <chr>, 'Additional Notes' <chr>, fall_online <dbl>,
## #   fall_hybrid <dbl>, fall_person <dbl>, spring_online <dbl>,
## #   spring_hybrid <dbl>, spring_person <dbl>, college <chr>, mmcn <chr>,
## #   degree <chr>, per_fall_online <dbl>, per_fall_hybrid <dbl>,
## #   per_fall_person <dbl>, per_spring_online <dbl>, per_spring_hybrid <dbl>,
## #   per_spring_person <dbl>, total_fall <dbl>, total_spring <dbl>
```

Analysis

Some subjects only offered online classes each semester

The following subjects only offered online classes in fall.

SUBJECT	per_fall_online	total_fall
Electrical & Computer Engineering:	1	15
Latino/a Studies in the Global South:	1	5
Sustainability Engagement:	1	1
Hindi:	1	4
French:	1	13
Italian:	1	8
Japanese:	1	3
Kiche:	1	2
Korean:	1	4
Persian:	1	2
Portuguese:	1	3
Spanish:	1	26
Urdu:	1	1
Child Policy:	1	1
Decision Sciences:	1	1
Biochem:	1	1

Of those, 11 subjects offered more than 1 class and 7 subjects offered 4+. Only 2 of these 11 subjects–ECE and Latino/a Studies in the Global South– are non-language subjects.

SUBJECT	per_fall_online	total_fall
Electrical & Computer Engineering:	1	15
Latino/a Studies in the Global South:	1	5
Hindi:	1	4
French:	1	13
Italian:	1	8
Japanese:	1	3
Kiche:	1	2
Korean:	1	4
Persian:	1	2
Portuguese:	1	3
Spanish:	1	26

The following subjects only offered online classes in spring.

SUBJECT	per_spring_online	total_spring
Lat. Am. & Caribbean Studies:	1	3
Computer Science:	1	23
Latino/a Studies in the Global South:	1	10
Romance Studies:	1	8
Sustainability Engagement:	1	2
Hindi:	1	4
Chinese:	1	11

SUBJECT	per_spring_online	total_spring
Japanese:	1	4
Kiche:	1	2
Korean:	1	4
Latin:	1	4
Persian:	1	1
Portuguese:	1	4
Turkish:	1	4
Spanish:	1	29
Urdu:	1	1
Biochem:	1	2
Arts and Science IDEAS	1	2

Of those, 11 subjects offered 4+ courses in the spring. Only 3 of these 11 subjects—CS, Romance studies and Latino/a Studies in the Global South—are non-language subjects.

SUBJECT	per_spring_online	total_spring
Computer Science:	1	23
Latino/a Studies in the Global South:	1	10
Romance Studies:	1	8
Hindi:	1	4
Chinese:	1	11
Japanese:	1	4
Korean:	1	4
Latin:	1	4
Portuguese:	1	4
Turkish:	1	4
Spanish:	1	29

SUBJECT	per_fall_online	total_fall
Electrical & Computer Engineering:	1.000	15
Latino/a Studies in the Global South:	1.000	5
Hindi:	1.000	4
French:	1.000	13
Italian:	1.000	8
Korean:	1.000	4
Spanish:	1.000	26
Computer Science:	0.950	20
Medieval & Renaissance Studies:	0.929	14
Chinese:	0.909	11
Mechanical Engineering:	0.875	16
Lat. Am. & Caribbean Studies:	0.857	7
Statistical Science:	0.857	14
African & African American Studies:	0.850	20
Mathematics:	0.833	30
Asian & Middle Eastern Studies:	0.800	35
Slavic and Eurasian Studies:	0.800	5
Evolutionary Anthropology:	0.778	9
Religious Studies:	0.778	27
German Studies:	0.750	12

SUBJECT	per_fall_online	total_fall
Information Science + Studies:	0.750	12
Gender, Sexuality & Feminist Studies:	0.741	27
Writing:	0.735	34
Literature:	0.733	30
International Comparative Studies:	0.725	51
English:	0.714	35
History:	0.712	73
Romance Studies:	0.700	10
Sociology:	0.684	38
Environmental Sciences and Policy:	0.639	36
Art History:	0.636	11
Study of sexualities:	0.625	8
VMS:	0.615	52
Neurosciences:	0.607	28
House Courses:	0.600	20
Psychology:	0.585	41
Classical Studies:	0.583	12
Jewish Studies Program:	0.583	12
Human Rights:	0.577	26
Earth and Ocean Sciences:	0.571	7
Markets & Management Studies:	0.571	7
Economics:	0.556	45
Policy, Journalism & Media Studies:	0.556	9
Public Policy Studies:	0.556	72
Global Health:	0.536	28
Theater Studies:	0.522	23
Cultural Anthropology:	0.500	32
Documentary Studies:	0.500	26
Arabic:	0.500	4
Latin:	0.500	4
Chemistry:	0.444	9
Philosophy:	0.438	16
Political Science:	0.420	50
Science & Society:	0.417	12
Innovation & Entrepreneurship:	0.375	16
Physics:	0.375	16
Ethics:	0.350	20
Education:	0.348	23
Dance:	0.304	23
Music:	0.268	82
Civil & Environmental Engineering:	0.250	8
Linguistics:	0.250	8
Health, Physical Education, & Recreation:	0.208	24
Russian:	0.200	10
Visual Arts:	0.105	19
Air Force ROTC:	0.000	4
Biology:	0.000	15
Biomedical Engineering:	0.000	11
Military Science, Army ROTC:	0.000	7
Naval Science, Navy ROTC:	0.000	10

SUBJECT	per_spring_online	total_spring
Computer Science:	1.000	23
Latino/a Studies in the Global South:	1.000	10
Romance Studies:	1.000	8
Hindi:	1.000	4
Chinese:	1.000	11
Japanese:	1.000	4
Korean:	1.000	4
Latin:	1.000	4
Portuguese:	1.000	4
Turkish:	1.000	4
Spanish:	1.000	29
Mathematics:	0.944	36
Literature:	0.938	32
Medieval & Renaissance Studies:	0.938	16
French:	0.933	15
Italian:	0.933	15
Statistical Science:	0.923	13
Information Science + Studies:	0.889	18
Religious Studies:	0.875	24
Electrical & Computer Engineering:	0.864	22
Sociology:	0.846	39
African & African American Studies:	0.842	38
Mechanical Engineering:	0.833	12
Art History:	0.824	17
Asian & Middle Eastern Studies:	0.811	37
History:	0.810	79
Writing:	0.806	36
Gender, Sexuality & Feminist Studies:	0.793	29
Human Rights:	0.781	32
VMS:	0.778	72
English:	0.761	46
Jewish Studies Program:	0.750	8
Psychology:	0.744	43
Documentary Studies:	0.735	34
Evolutionary Anthropology:	0.727	11
Global Health:	0.714	21
Science & Society:	0.700	10
Physics:	0.684	19
International Comparative Studies:	0.678	59
House Courses:	0.667	36
Cultural Anthropology:	0.642	53
Economics:	0.630	46
Neurosciences:	0.611	18
Public Policy Studies:	0.600	80
Arabic:	0.600	5
Environmental Sciences and Policy:	0.590	39
Political Science:	0.579	38
Education:	0.562	16
Markets & Management Studies:	0.556	9
Biology:	0.542	48
Innovation & Entrepreneurship:	0.533	15
German Studies:	0.500	14

SUBJECT	per_spring_online	total_spring
Linguistics:	0.500	16
Slavic and Eurasian Studies:	0.500	4
Philosophy:	0.500	12
Earth and Ocean Sciences:	0.455	11
Theater Studies:	0.455	22
Classical Studies:	0.444	9
Ethics:	0.429	21
Visual Arts:	0.387	31
Policy, Journalism & Media Studies:	0.333	6
Health, Physical Education, & Recreation:	0.318	22
Music:	0.313	99
Chemistry:	0.308	13
Civil & Environmental Engineering:	0.250	12
Dance:	0.240	25
Russian:	0.200	15
Biomedical Engineering:	0.118	17
Air Force ROTC:	0.000	4
Military Science, Army ROTC:	0.000	7
Naval Science, Navy ROTC:	0.000	8

- percent online, hybrid, in person for every subject
- percent online, hybrid, in person for every subject affiliated w a dept
- percent online, hybrid, in person for every subject that's ROTC
- fall vs. spring for ROTC (no online, more in person in spring)

SUBJECT	per_fall_online	per_fall_hybrid	per_fall_person	total_fall
Air Force ROTC:	0	1.000	0.000	4
Military Science, Army ROTC:	0	0.571	0.429	7
Naval Science, Navy ROTC:	0	1.000	0.000	10

SUBJECT	per_spring_online	per_spring_hybrid	per_spring_person	total_spring
Air Force ROTC:	0	0.000	1.000	4
Military Science, Army ROTC:	0	0.000	1.000	7
Naval Science, Navy ROTC:	0	0.125	0.875	8

- percent online, hybrid, in person for every subject that's a major

SUBJECT	per_fall_online	per_fall_hybrid	per_fall_person	total_fall	degree
Biomedical Engineering:	0.000	1.000	0.000	11	BSE
Civil & Environmental Engineering:	0.250	0.750	0.000	8	BSE
Linguistics:	0.250	0.750	0.000	8	BA
Music:	0.268	0.646	0.085	82	BA
Visual Arts:	0.105	0.632	0.263	19	BA
Physics:	0.375	0.625	0.000	16	both

SUBJECT	per_fall_online	per_fall_hybrid	per_fall_person	total_fall	degree
Russian:	0.200	0.600	0.200	10	BA
Philosophy:	0.438	0.562	0.000	16	BA
Chemistry:	0.444	0.556	0.000	9	both
Political Science:	0.420	0.480	0.100	50	BA
Theater Studies:	0.522	0.478	0.000	23	BA
Cultural Anthropology:	0.500	0.469	0.031	32	BA
Economics:	0.556	0.444	0.000	45	both
Dance:	0.304	0.435	0.261	23	BA
Classical Studies:	0.583	0.417	0.000	12	BA
Public Policy Studies:	0.556	0.403	0.042	72	BA
Biology:	0.000	0.400	0.600	15	both
Psychology:	0.585	0.390	0.024	41	both
Art History:	0.636	0.364	0.000	11	BA
VMS:	0.615	0.346	0.038	52	BA
Romance Studies:	0.700	0.300	0.000	10	BA
Earth and Ocean Sciences:	0.571	0.286	0.143	7	both
English:	0.714	0.286	0.000	35	BA
History:	0.712	0.274	0.014	73	BA
Sociology:	0.684	0.263	0.053	38	BA
International Comparative Studies:	0.725	0.255	0.020	51	BA
Environmental Sciences and Policy:	0.639	0.250	0.111	36	BA
German Studies:	0.750	0.250	0.000	12	BA
Neurosciences:	0.607	0.250	0.143	28	both
Literature:	0.733	0.233	0.033	30	BA
Evolutionary Anthropology:	0.778	0.222	0.000	9	both
Asian & Middle Eastern Studies:	0.800	0.200	0.000	35	BA
Slavic and Eurasian Studies:	0.800	0.200	0.000	5	BA
Religious Studies:	0.778	0.185	0.037	27	BA
Mathematics:	0.833	0.167	0.000	30	both
African & African American Studies:	0.850	0.150	0.000	20	BA
Statistical Science:	0.857	0.143	0.000	14	both
Mechanical Engineering:	0.875	0.125	0.000	16	BSE
Gender, Sexuality & Feminist Studies:	0.741	0.111	0.148	27	BA
Medieval & Renaissance Studies:	0.929	0.071	0.000	14	BA
Computer Science:	0.950	0.050	0.000	20	both
Electrical & Computer Engineering:	1.000	0.000	0.000	15	BSE

SUBJECT	per_spring_online	per_spring_hybrid	per_spring_person	total_spring	degree
Civil & Environmental Engineering:	0.250	0.667	0.083	12	BSE
Music:	0.313	0.586	0.101	99	BA
Classical Studies:	0.444	0.556	0.000	9	BA
Theater Studies:	0.455	0.545	0.000	22	BA
Biomedical Engineering:	0.118	0.529	0.353	17	BSE
German Studies:	0.500	0.500	0.000	14	BA
Philosophy:	0.500	0.500	0.000	12	BA
Russian:	0.200	0.467	0.333	15	BA
Earth and Ocean Sciences:	0.455	0.455	0.091	11	both
Environmental Sciences and Policy:	0.590	0.385	0.026	39	BA
Biology:	0.542	0.375	0.083	48	both

SUBJECT	per_spring_online	per_spring_hybrid	per_spring_person	total_spring	degree
Linguistics:	0.500	0.375	0.125	16	BA
Visual Arts:	0.387	0.355	0.258	31	BA
Economics:	0.630	0.348	0.022	46	both
Public Policy Studies:	0.600	0.325	0.075	80	BA
Dance:	0.240	0.320	0.440	25	BA
Chemistry:	0.308	0.308	0.385	13	both
Political Science:	0.579	0.289	0.132	38	BA
International Comparative Studies:	0.678	0.271	0.051	59	BA
Physics:	0.684	0.263	0.053	19	both
Slavic and Eurasian Studies:	0.500	0.250	0.250	4	BA
Cultural Anthropology:	0.642	0.245	0.113	53	BA
English:	0.761	0.239	0.000	46	BA
Neurosciences:	0.611	0.222	0.167	18	both
Evolutionary Anthropology:	0.727	0.182	0.091	11	both
History:	0.810	0.177	0.013	79	BA
Art History:	0.824	0.176	0.000	17	BA
Mechanical Engineering:	0.833	0.167	0.000	12	BSE
Psychology:	0.744	0.163	0.093	43	both
Asian & Middle Eastern Studies:	0.811	0.162	0.027	37	BA
VMS:	0.778	0.139	0.083	72	BA
Gender, Sexuality & Feminist Studies:	0.793	0.138	0.069	29	BA
African & African American Studies:	0.842	0.105	0.053	38	BA
Electrical & Computer Engineering:	0.864	0.091	0.045	22	BSE
Sociology:	0.846	0.077	0.077	39	BA
Statistical Science:	0.923	0.077	0.000	13	both
Medieval & Renaissance Studies:	0.938	0.062	0.000	16	BA
Mathematics:	0.944	0.056	0.000	36	both
Religious Studies:	0.875	0.042	0.083	24	BA
Literature:	0.938	0.031	0.031	32	BA
Computer Science:	1.000	0.000	0.000	23	both
Romance Studies:	1.000	0.000	0.000	8	BA

(maybe do some sort of test to see if degree and percent hybrid are related)

- percent online, hybrid, in person for every subject that's not a major
- percent online, hybrid, in person for every subject that's a BA
- percent online, hybrid, in person for every subject that's a BSE
- percent online, hybrid, in person for every subject that's both (BA/BS)
- fall vs. spring for languages

Trinity/Pratt comparisons


```
## # A tibble: 3 x 2
## # Groups:   trinity/pratt [3]
##   'trinity/pratt'    n
##   <chr>             <int>
## 1 p                 4
## 2 t                76
## 3 <NA>             12
```

```
## # A tibble: 3 x 4
##   'trinity/pratt' total_online_fall total_hybrid_fall total_person_fall
##   <chr>             <dbl>             <dbl>             <dbl>
## 1 p                 31                 19                 0
## 2 t                846                487                72
## 3 <NA>              18                 43                11
```

```
## # A tibble: 3 x 4
##   'trinity/pratt' prop_online_fall prop_hybrid_fall prop_person_fall
##   <chr>             <dbl>             <dbl>             <dbl>
## 1 p                 0.62                 0.38                 0
## 2 t                 0.602                0.347                0.0512
## 3 <NA>              0.25                 0.597                0.153
```

```
## # A tibble: 3 x 4
##   'trinity/pratt' total_online_spring total_hybrid_spring total_person_spring
##   <chr>             <dbl>             <dbl>             <dbl>
## 1 p                 34                 21                 8
## 2 t                1096                386                119
## 3 <NA>              36                 20                28
```

```
## # A tibble: 3 x 4
##   'trinity/pratt' prop_online_spring prop_hybrid_spring prop_person_spring
##   <chr>             <dbl>             <dbl>             <dbl>
## 1 p                 0.540                0.333                0.127
## 2 t                 0.685                0.241                0.0743
## 3 <NA>              0.429                0.238                0.333
```

Major/minor/cert/none comparisons

```
## # A tibble: 5 x 2
## # Groups:   major/minor/cert/none [5]
##   'major/minor/cert/none'    n
##   <chr>             <int>
## 1 major              42
## 2 <NA>              28
## 3 certificate        17
## 4 minor              4
## 5 co-major           1
```

```
## # A tibble: 5 x 4
##   'major/minor/cert/none' prop_online_fall prop_hybrid_fall prop_person_fall
##   <chr>             <dbl>             <dbl>             <dbl>
## 1 certificate        0.541                0.421                0.0377
```

## 2 co-major	0.536	0.429	0.0357
## 3 major	0.592	0.354	0.0542
## 4 minor	0.421	0.526	0.0526
## 5 <NA>	0.631	0.297	0.0718


```
## # A tibble: 5 x 4
##   'major/minor/cert/non~ prop_online_spring prop_hybrid_spring prop_person_spring
##   <chr>                <dbl>                <dbl>                <dbl>
## 1 certificate          0.693                0.223                0.0838
## 2 co-major             0.714                0.238                0.0476
## 3 major                0.654                0.266                0.0802
## 4 minor                0.654                0.231                0.115
## 5 <NA>                 0.72                0.138                0.142
```

BS/BA/both comparisons

```
## # A tibble: 4 x 2
## # Groups:   BS/BA/both [4]
##   'BS/BA/both'      n
##   <chr>          <int>
## 1 <NA>           50
## 2 BA            27
## 3 both          11
## 4 BSE           4
```

```
## # A tibble: 4 x 4
##   'BS/BA/both' prop_online_fall prop_hybrid_fall prop_person_fall
##   <chr>          <dbl>          <dbl>          <dbl>
## 1 BA            0.584            0.361            0.0547
## 2 both          0.611            0.325            0.0641
## 3 BSE           0.62            0.38             0
## 4 <NA>          0.571            0.374            0.0548
```

```
## # A tibble: 4 x 4
##   'BS/BA/both' prop_online_spring prop_hybrid_spring prop_person_spring
##   <chr>          <dbl>          <dbl>          <dbl>
## 1 BA            0.647            0.273            0.0797
## 2 both          0.701            0.228            0.0712
## 3 BSE           0.540            0.333            0.127
## 4 <NA>          0.705            0.182            0.113
```

ROTC

```
## # A tibble: 2 x 2
## # Groups:   ROTC [2]
##   ROTC      n
##   <dbl> <int>
## 1     0    89
## 2     1     3
```

```
## # A tibble: 2 x 4
```

```
## ROTC prop_online_fall prop_hybrid_fall prop_person_fall
## <dbl> <dbl> <dbl> <dbl>
## 1 0 0.594 0.353 0.0531
## 2 1 0 0.857 0.143

## # A tibble: 2 x 4
## ROTC prop_online_spring prop_hybrid_spring prop_person_spring
## <dbl> <dbl> <dbl> <dbl>
## 1 0 0.674 0.246 0.0792
## 2 1 0 0.0526 0.947

## # A tibble: 3 x 7
## SUBJECT 'online (fall)' 'hybrid (fall)' 'in-person (fal~ 'online (spring~
## <chr> <dbl> <dbl> <dbl> <dbl>
## 1 Naval ~ 0 10 0 0
## 2 Air Fo~ 0 4 0 0
## 3 Milita~ 0 4 3 0
## # ... with 2 more variables: 'hybrid (spring)' <dbl>, 'in-person
## # (spring)' <dbl>

## # A tibble: 3 x 7
## SUBJECT prop_online_fall prop_hybrid_fall prop_person_fall prop_online_spr~
## <chr> <dbl> <dbl> <dbl> <dbl>
## 1 Air Fo~ 0 1 1 0
## 2 Naval ~ 0 1 1 0
## 3 Milita~ 0 0.571 0.571 0
## # ... with 2 more variables: prop_hybrid_spring <dbl>, prop_person_spring <dbl>
```

Languages

```
## # A tibble: 2 x 2
## # Groups: language [2]
## language n
## <dbl> <int>
## 1 0 73
## 2 1 19

## # A tibble: 2 x 4
## language prop_online_fall prop_hybrid_fall prop_person_fall
## <dbl> <dbl> <dbl> <dbl>
## 1 0 0.568 0.375 0.0568
## 2 1 0.797 0.178 0.0254

## # A tibble: 2 x 4
## language prop_online_spring prop_hybrid_spring prop_person_spring
## <dbl> <dbl> <dbl> <dbl>
## 1 0 0.655 0.253 0.0921
## 2 1 0.801 0.149 0.0496

## # A tibble: 19 x 7
## SUBJECT 'online (fall)' 'hybrid (fall)' 'in-person (fal~ 'online (spring~
## <chr> <dbl> <dbl> <dbl> <dbl>
```

```

## 1 Spanis~          26          0          0          29
## 2 French:         13          0          0          14
## 3 Chines~         10          1          0          11
## 4 German~          9          3          0          7
## 5 Italia~          8          0          0          14
## 6 Hindi:           4          0          0          4
## 7 Korean:          4          0          0          4
## 8 Japane~          3          0          0          4
## 9 Portug~          3          0          0          4
## 10 Arabic:          2          2          0          3
## 11 Kiche:           2          0          0          2
## 12 Latin:           2          2          0          4
## 13 Persia~          2          0          0          1
## 14 Russia~          2          6          2          3
## 15 Creole:          1          2          0          1
## 16 Greek:           1          1          1          2
## 17 Turkis~          1          2          0          4
## 18 Urdu:            1          0          0          1
## 19 Hebrew:          0          2          0          1
## # ... with 2 more variables: 'hybrid (spring)' <dbl>, 'in-person
## #   (spring)' <dbl>

## # A tibble: 19 x 7
##   SUBJECT prop_online_fall prop_hybrid_fall prop_person_fall prop_online_spr~
##   <chr>          <dbl>          <dbl>          <dbl>          <dbl>
## 1 Hindi:            1            0            0            1
## 2 French:            1            0            0          0.933
## 3 Italia~            1            0            0          0.933
## 4 Japane~            1            0            0            1
## 5 Kiche:             1            0            0            1
## 6 Korean:            1            0            0            1
## 7 Persia~            1            0            0            1
## 8 Portug~            1            0            0            1
## 9 Spanis~            1            0            0            1
## 10 Urdu:             1            0            0            1
## 11 Chines~          0.909          0.0909          0.0909          1
## 12 German~          0.75           0.25           0.25          0.5
## 13 Arabic:           0.5           0.5           0.5          0.6
## 14 Latin:            0.5           0.5           0.5            1
## 15 Creole:           0.333          0.667          0.667          0.333
## 16 Greek:            0.333          0.333          0.333          0.667
## 17 Turkis~          0.333          0.667          0.667            1
## 18 Russia~          0.2           0.6           0.6          0.2
## 19 Hebrew:           0            1            1          0.333
## # ... with 2 more variables: prop_hybrid_spring <dbl>, prop_person_spring <dbl>

```