

# Appendix E: Examples of Religion

## Cross Partition Clustering

Cross partition clustering configurations produced with the CP plain algorithm (Chapter 5, Figure 5.5;  $\eta = 0.4$ ) with all five religion subsets clustered ( $|W| = 5$ ). Cluster titles were assigned by the authors. The relative size of each cluster according to the  $p$  probability distribution, as well as to  $p^*$ , is indicated. Each keyword  $x$  appears in the cluster  $c$  with highest  $p(c|x)$ , which is indicated in brackets. Along with the elements of every cluster we also indicate the 40 most prominent features (highest  $p^*(c|y)$ , indicated in square brackets).

### E.1: Two Clusters

<b>CLUSTER 1 "The Spiritual Aspect of Religion"</b>
$p(c) = 0.5217, p^*(c) = 0.496$
<p><b>Buddhism:</b> grief (0.998) lamentation (0.997) pain (0.996) sentient (0.994) hell (0.992) birth (0.988) heaven (0.988) suffer (0.986) impermanence (0.986) nirvana (0.981) realm (0.978) cause (0.977) speech (0.977) animal (0.975) rebirth (0.974) existence (0.970) samsara (0.968) livelihood (0.966) being (0.963) soul (0.962) physical (0.961) death (0.960) unwholesome (0.958) water (0.957) anger (0.957) attain (0.954) kill (0.953) god (0.947) consciousness (0.946) karma (0.943) perception (0.942) deliverance (0.942) freedom (0.937) perception (0.931) man (0.928) experience (0.927) noble (0.925) human (0.921) deva (0.921) sense (0.920) enlightenment (0.919) buddhahood (0.916) dukkha (0.907) peace (0.907) phenomenon (0.907) wisdom (0.907) eat (0.905) buddha-nature (0.902) universe (0.901) salvation (0.896) intention (0.890) emotion (0.887) awareness (0.883) awaken (0.883) liberation (0.861) concentration (0.861) noble-truths (0.859) exist (0.849) root (0.846) child (0.844) eightfold-path (0.841) purity (0.828) hear (0.812) mindfulness (0.812) son (0.805) emptiness (0.790) law (0.779) sit (0.753) spirit (0.744) strength (0.718) generosity (0.716) skilful (0.710) tree (0.698) humanity (0.685) element (0.685) bodhisattva (0.682) prince (0.672) sacrifice (0.663) siddhartha-gautama (0.659) conditioning (0.653) friend (0.652) meditator (0.616) teach (0.612) buddha (0.607) word (0.594) learn (0.568) karmic-law (0.567) bodhi-tree (0.567) faith (0.565) problem (0.547) disciple (0.530)</p>
<p><b>Christianity:</b> flesh (0.996) sin (0.996) heaven (0.996) perish (0.996) sinner (0.995) jesus-christ (0.995) blood (0.994) righteousness (0.994) father (0.994) savior (0.994) forgiveness (0.993) sinful (0.993) reign (0.992) soul (0.991) love (0.991) earth (0.991) holy-spirit (0.991) hell (0.989) punishment (0.989) death (0.988) fire (0.988) love-of-god (0.988) reward (0.987) suffer (0.987) judgment (0.986) redemption (0.985) sacrifice (0.984) god (0.983) kingdom (0.982) water (0.982) bless (0.981) baptize (0.981) devil (0.980) man (0.980) sake (0.978) eye (0.978) human (0.977) sinless (0.977) angel (0.977) grant (0.977) salvation (0.976) humanity (0.975) gift (0.974) eat (0.972) voice (0.972) resurrection (0.972) repentance (0.972) jesus (0.971) mankind (0.970) child (0.967) peace (0.966) pay (0.959) animal (0.957) confess (0.957) lamb (0.957) command (0.956) being (0.954) earthly (0.953) abraham (0.953) godly (0.950) condemnation (0.948) believing (0.947) lost (0.946) mother (0.945) adultery (0.943) divinity (0.941) face (0.939) hear (0.937) good-work (0.932) relationship (0.927) justification (0.926) bread (0.923) faithful (0.923) atonement (0.919) word (0.903) intercession (0.901) commandment (0.901) baptism (0.899) experience (0.884) law (0.883) win (0.882) woman (0.877) passion (0.868) mary (0.864) people (0.863) moses (0.862) faith (0.861) disciple (0.860) prayer (0.846) spiritual (0.844) listen (0.831) house (0.821) fish (0.814) home (0.809) friend (0.807) believer (0.801) israel (0.787) elect (0.786) guide (0.765) miracle (0.732) incarnation (0.728) messiah (0.722)</p>

<p>instruction (0.722) preach (0.717) teach (0.716) gospel (0.715) prophet (0.712)  no-other-god (0.707) learn (0.702) boy (0.701) find (0.692) obey-god (0.682)  violence (0.682) saint (0.671) moral (0.666) cross (0.663) crucifixion (0.650)  birth (0.629) expression (0.614) revelation (0.610) soul-winning (0.581) family (0.569)  minister (0.549) trinity (0.547) paul (0.537) problem (0.535) meet (0.528)  foundation (0.520) question (0.503) isaiah (0.501) gentile (0.500)</p>
<p><u>Hinduism:</u> heaven (0.990) atman (0.989) liberation (0.988) rebirth (0.986) soul (0.985)  samsara (0.979) attain (0.978) universe (0.972) consciousness (0.969) brahman (0.967)  karma (0.963) divinity (0.961) earth (0.954) demon (0.951) existence (0.941)  moksha (0.941) sun (0.939) birth (0.935) god (0.929) animal (0.926) water (0.926)  sense (0.915) death (0.908) manifestation (0.900) fire (0.858) purity (0.838)  human (0.836) spirit (0.831) man (0.817) indra (0.813) mother (0.798) sacrifice (0.798)  person (0.790) shiva (0.786) shakti (0.781) being (0.780) worshiper (0.759)  experience (0.749) jnana (0.744) invoke (0.743) freedom (0.730) vishnu (0.730)  kill (0.699) son (0.681) brahma (0.666) element (0.639) food (0.635) prayer (0.631)  chakra (0.630) gift (0.609) word (0.572) darshan (0.552) reincarnation (0.535)  humanity (0.533) krishna (0.531) arjuna (0.524) sita (0.518)</p>
<p><u>Islam:</u> heaven (0.996) hell (0.993) paradise (0.990) creature (0.990) soul (0.989)  earth (0.989) sin (0.985) angel (0.984) deed (0.982) allah (0.981) universe (0.979)  punishment (0.978) water (0.973) animal (0.973) god (0.973) pain (0.972) bless (0.970)  son (0.966) human (0.958) being (0.951) father (0.950) worship (0.948) existence (0.948)  satan (0.947) spirit (0.943) divinity (0.942) death (0.939) remember (0.939)  mother (0.937) believer (0.937) judgment (0.934) man (0.933) physical (0.932)  command (0.922) guide (0.921) purification (0.919) food (0.912) forbid (0.912)  peace (0.909) believing (0.900) tawhid (0.899) wisdom (0.894) messenger (0.893)  mankind (0.888) consciousness (0.887) jesus (0.885) child (0.876) master (0.872)  intercession (0.869) gabriel (0.868) submission (0.860) life (0.858) witness (0.841)  charity (0.840) kill (0.835) daughter (0.825) husband (0.816) mooses (0.815) needy (0.810)  lawful (0.806) spiritual (0.792) abraham (0.789) wife (0.787) prophet (0.775)  muhammad-the-prophet-of-allah (0.775) brother (0.774) prayer (0.765) friend (0.759)  share (0.758) word (0.756) adultery (0.755) commandment (0.755) ishmael (0.748)  judge (0.743) poverty (0.741) humanity (0.740) noah (0.738) faith (0.736) justice (0.716)  exist (0.713) companion (0.675) revelation (0.675) saint (0.670) responsibility (0.660)  idolatry (0.650) house (0.646) people (0.645) enemy (0.637) facing (0.636) woman (0.610)  teach (0.608) fast (0.603) testimony (0.595) marriage (0.582) mohamad (0.581) home (0.568)  fight (0.548) find (0.539) sister (0.536) faithful (0.518) meet (0.509) abu-bakr (0.502)</p>
<p><u>Judaism:</u> heaven (0.983) universe (0.975) reward (0.975) soul (0.974) hashem (0.974)  angel (0.967) sin (0.966) divine-creation (0.959) god (0.958) adam (0.946)  physical (0.935) divinity (0.935) eat (0.932) animal (0.927) human (0.925) water (0.923)  existence (0.913) command (0.910) spirit (0.907) shechinah (0.906) bless (0.904)  man (0.869) golden-calf (0.860) wisdom (0.856) no-other-god (0.851) salvation (0.843)  death (0.841) judgment (0.840) hide (0.822) wife (0.820) peace (0.818) redemption (0.815)  father (0.805) humanity (0.793) hear (0.788) repentance (0.780) food (0.776) son (0.776)  revelation (0.769) mother (0.766) eden (0.764) spiritual (0.757) commandment (0.753)  kill (0.748) forbid (0.747) exist (0.737) teshuvah (0.734) sacrifice (0.714)  candle (0.700) covenant (0.700) child (0.700) kosher (0.697) holy (0.685) sarah (0.683)  expression (0.670) idolatry (0.664) hell (0.663) abraham (0.663) star (0.662)  pharaoh (0.658) freedom (0.651) jacob (0.637) connect (0.619) meal (0.617) violate (0.603)  experience (0.582) mitzvah (0.569) malchut (0.568) noah (0.565) faithful (0.555)  mooses (0.553) relationship (0.544) house (0.521) sefirot (0.516)</p>
<p><u>MOST PROMINENT FEATURES:</u> infinite [0.660] creature [0.647] forgive [0.636]  heaven [0.636] immortal [0.633] hell [0.633] creator [0.630] mercy [0.629] sorrow [0.629]  finite [0.626] flesh [0.624] earth [0.623] pleasure [0.62] eternity [0.621] drink [0.620]  ghost [0.617] eternally [0.617] womb [0.617] beget [0.616] will [0.616] sin [0.615]  bliss [0.615] eternal [0.61] sleep [0.61] heavenly [0.612] ascend [0.612] pain [0.612]  sinful [0.61] soul [0.611] torment [0.611]</p>

<p><b>CLUSTER 2 "The Establishment Aspect of Religion"</b></p> <p style="text-align: right;"><math>p(c) = 0.4783, p^*(c) = 0.503</math></p>
<p><u>Buddhism:</u> korea (0.999) asia (0.999) south (0.999) east (0.999) sri-lanka (0.999)  china (0.999) japan (0.999) america (0.999) north (0.999) india (0.999) found (0.998)  tibet (0.998) burma (0.998) pitaka (0.998) scholar (0.998) theravada (0.998)  vietnam (0.998) study (0.997) school (0.997) mahayana (0.997) country (0.997) west (0.996)  literature (0.996) thai (0.996) missionary (0.995) zen (0.995) philosophy (0.994)  author (0.993) history (0.993) canonical (0.993) writing (0.993) pali-canon (0.993)</p>

<p>book (0.993) text (0.993) tradition (0.991) christian (0.991) founder (0.991)  chapter (0.989) temple (0.989) write (0.989) veda (0.988) sanskrit (0.986) vinaya (0.986)  vajrayana (0.985) trade (0.985) social (0.985) ethic (0.985) discussed (0.984)  member (0.984) hinduism (0.984) pilgrimage (0.984) tantra (0.984) nun (0.984)  english (0.983) celebration (0.983) dalai-lama (0.983) scripture (0.982)  hinayana (0.981) writer (0.981) abhidhamma (0.980) monastery (0.980) role (0.978)  religious (0.977) student (0.974) stupa (0.973) lama (0.972) religion (0.970)  branch (0.969) discourse (0.968) society (0.966) translate (0.966) sutra (0.962)  sacred (0.961) koan (0.961) abbot (0.961) psychologist (0.960) sangha (0.959)  ceremony (0.955) argue (0.955) project (0.953) ajahn (0.952) ordain (0.948)  establish (0.947) vehicle (0.938) vipassana (0.932) theory (0.932) retreat (0.929)  king (0.928) monk (0.920) sakyā (0.920) discipline (0.907) authority (0.904)  argument (0.899) full-moon (0.898) story (0.896) meet (0.893) bhikkhu (0.890)  doctrinal (0.885) robe (0.863) teaching (0.853) foundation (0.853) metaphysical (0.845)  mantra (0.842) teacher (0.838) instruction (0.829) precept (0.821) begin (0.816)  experiment (0.810) master (0.807) five-precepts (0.802) guide (0.793) forest (0.770)  practice (0.767) worship (0.765) amida (0.762) family (0.756) meditation (0.736)  question (0.736) focus (0.735) house (0.730) mandala (0.723) moral (0.650)  attitude (0.648) reincarnation (0.633) gift (0.615) connect (0.609) training (0.596)  find (0.567) dharma (0.535) asceticism (0.525) arhat (0.523) people (0.523)  relationship (0.522) samadhi (0.518) behavior (0.509) spiritual (0.505)</p>
<p><b>Christianity:</b> orthodox (0.999) constantinople (0.999) protestant (0.999)  vatican (0.999) west (0.999) university (0.999) german (0.999) catholic (0.999)  rome (0.998) council (0.998) orthodoxy (0.998) america (0.998) cardinal (0.998)  bishop (0.997) pope (0.997) patriarch (0.996) organization (0.995) found (0.991)  baptist (0.990) apostolic (0.989) monk (0.988) evangelical (0.988) school (0.984)  theology (0.982) sunday (0.980) greek (0.979) postmodern (0.979) easter (0.977)  luther (0.976) tradition (0.976) writing (0.975) church (0.973) writer (0.970)  association (0.970) founder (0.968) student (0.967) history (0.965) ancient (0.961)  religious (0.960) new-testament (0.960) good-friday (0.957) book (0.954) theory (0.950)  trade (0.949) text (0.946) mass (0.943) eucharist (0.941) jew (0.941) role (0.935)  chapter (0.931) pilgrimage (0.913) member (0.909) study (0.908) christmas (0.907)  thomas (0.903) story (0.895) hebrew (0.892) author (0.887) translate (0.887) ethic (0.876)  tabernacle (0.866) pentecost (0.865) sacrament (0.859) city (0.849)  old-testament (0.842) religion (0.822) doctrinal (0.817) convert (0.804) luke (0.797)  teaching (0.785) matthew (0.769) king (0.764) sabbath (0.754) authority (0.749)  apostle (0.744) language (0.740) write (0.736) bethlehem (0.731) argument (0.731)  priestly (0.731) bible (0.722) teacher (0.708) jerusalem (0.705) john (0.694)  passage (0.688) ministry (0.686) predict (0.680) establish (0.678) idolatry (0.673)  service (0.666) john-the-baptist (0.661) worship (0.619) bearing (0.617)  jordan-river (0.610) jeremiah (0.595) argue (0.594) refer (0.574) reading-bible (0.568)  scripture (0.553) season (0.547) zion (0.531) elijah (0.522)</p>
<p><b>Hinduism:</b> south (0.999) found (0.999) indus (0.999) scholar (0.998) shaiva (0.998)  classical (0.998) aryan (0.997) jain (0.997) literature (0.997) founder (0.997)  valley (0.997) muslim (0.996) brahma-sutra (0.996) sanskrit (0.996) author (0.996)  india (0.996) christian (0.996) civilization (0.995) history (0.995) west (0.995)  festival (0.995) school (0.995) buddhism (0.995) study (0.994) text (0.993) sutra (0.992)  ancient (0.992) student (0.992) language (0.992) write (0.992) writing (0.992)  book (0.991) ramayana (0.990) poet (0.990) shri (0.989) varanasi (0.989)  foundation (0.988) country (0.988) art (0.988) purana (0.988) vaishnavism (0.987)  religious (0.987) samkhya (0.987) ahram (0.987) philosophy (0.986) kumbhamela (0.986)  science (0.985) epic (0.985) tradition (0.984) social (0.983) mahabharata (0.983)  poem (0.981) smriti (0.980) mahatma (0.979) ram (0.979) temple (0.979) story (0.978)  agama (0.976) dance (0.975) vedas (0.972) society (0.971) rigveda (0.969) priest (0.968)  teacher (0.964) theory (0.963) teaching (0.962) caste (0.959) pilgrimage (0.952)  raja (0.951) sankara (0.948) religion (0.948) brahmin (0.946) king (0.944)  ceremony (0.938) hymn (0.935) authority (0.934) scripture (0.931) advaita (0.928)  gita (0.920) sadhu (0.916) ritual (0.916) upanishad (0.912) yoga (0.909) doctrine (0.903)  practice (0.899) rite (0.891) faith (0.879) buddha (0.873) family (0.871) idea (0.845)  puja (0.839) asceticism (0.836) find (0.835) teach (0.833) sacred (0.831) yogi (0.820)  learn (0.806) ramanuja (0.804) people (0.801) question (0.797) brahmana (0.794)  holy (0.790) holy-people (0.775) hero (0.736) spirituality (0.736) durga (0.719)  rama (0.715) star (0.688) trimurti (0.664) guru (0.659) bhakti (0.635) ganesh (0.635)  child (0.630) discipline (0.622) dharma (0.611) law (0.596) meditation (0.567)  idol (0.563) devotee (0.561) kali (0.527)</p>

**Islam:** africa (0.999) asia (0.999) east (0.999) university (0.998) india (0.996) shiah (0.996) empire (0.994) found (0.994) shii (0.993) sunni (0.993) hijrah (0.993) west (0.993) student (0.990) school (0.989) baghdad (0.988) philosophy (0.988) arabia (0.987) country (0.987) racial (0.986) founder (0.984) writer (0.984) fiqh (0.983) economy (0.982) study (0.979) tipu (0.978) id-al-fitr (0.978) jew (0.975) christian (0.974) author (0.974) bank (0.972) madinah (0.972) city (0.971) arab (0.970) chapter (0.969) calif (0.969) writing (0.968) civilization (0.968) translate (0.966) scholar (0.965) trade (0.965) religious (0.965) science (0.964) branch (0.964) army (0.958) english (0.957) history (0.954) sheikh (0.954) sufi (0.953) istanbul (0.949) mecah (0.947) polygamy (0.945) finance (0.945) friday (0.944) mosque (0.943) tradition (0.940) jerusalem (0.940) social (0.933) ritual (0.917) write (0.911) surah (0.910) imam (0.909) company (0.908) haj (0.908) shariah (0.908) practice (0.903) foundation (0.897) language (0.895) doctrine (0.893) succession (0.890) pillars-of-faith (0.888) bible (0.878) kaabah (0.865) story (0.861) ali (0.858) teacher (0.852) tribe (0.851) teaching (0.839) id (0.825) establish (0.818) pilgrimage (0.817) sacred (0.816) race (0.810) society (0.804) israel (0.802) hadith (0.801) scripture (0.798) book (0.793) ummah (0.792) ramadan (0.789) sunnah (0.771) problem (0.770) religion (0.764) jihad (0.756) umar (0.754) ruler (0.754) bukhari muslim (0.739) learn (0.730) female (0.718) service (0.713) code (0.705) preach (0.701) law (0.686) authority (0.667) attitude (0.637) quran (0.622) moral (0.602) salah (0.602) dua (0.595) question (0.579) mission (0.574) read-quran (0.571) statement (0.567) freedom (0.566) drink-alcohol (0.564) family (0.542) descendant (0.542) haram (0.522) declaration (0.521) holy (0.509)

**Judaism:** europe (0.999) conservative (0.999) reconstructionism (0.999) east (0.999) sephardim (0.999) ashkenazim (0.999) zionism (0.999) america (0.999) north (0.999) reform (0.998) orthodox (0.998) german (0.997) yeshivah (0.997) found (0.997) rabbinical (0.996) philosophy (0.996) school (0.996) founder (0.995) literary (0.995) calendar (0.994) tanakh (0.993) babylon (0.993) scholar (0.992) mishnah (0.991) writer (0.990) center (0.990) christian (0.989) liturgy (0.989) synagogue (0.989) theology (0.988) rome (0.987) country (0.985) ancient (0.984) writing (0.984) author (0.984) community (0.983) religious (0.983) daniel (0.981) hasid (0.981) tradition (0.980) kabalah (0.979) student (0.979) city (0.978) principles-of-faith (0.977) judah (0.977) oral (0.977) bible (0.976) book (0.976) history (0.976) scripture (0.974) hebrew (0.974) text (0.974) area (0.973) talmud (0.973) language (0.972) establish (0.971) jerusalem (0.970) religion (0.969) teacher (0.969) scroll (0.966) sidur (0.965) member (0.964) temple-mount (0.962) festival (0.962) gemara (0.962) exodus (0.960) rosh-hodesh (0.958) social (0.958) role (0.955) code (0.954) shavuot (0.951) ari (0.949) chapter (0.948) celebration (0.948) holiday (0.948) halachah (0.947) society (0.946) authority (0.946) discuss (0.942) rabbi (0.942) zohar (0.939) teaching (0.939) law (0.938) study (0.935) service (0.933) rosh-hashanah (0.930) read-torah (0.927) mystic (0.926) kingdom (0.923) foundation (0.921) tribe (0.909) story (0.901) write (0.898) sukoth (0.893) temple (0.893) yarmulke (0.893) israel (0.890) intellectual (0.883) argument (0.880) argue (0.880) levi (0.877) solomon (0.877) letter (0.877) parsha (0.875) purim (0.865) passover (0.859) bris (0.852) ritual (0.850) mourn (0.848) statement (0.841) sea (0.837) question (0.834) mikveh (0.827) canaan (0.823) exile (0.811) priest (0.809) yhwh (0.805) high-priest (0.803) gentile (0.800) tefilin (0.797) jeremiah (0.792) talit (0.776) ishaiah (0.775) david (0.773) find (0.769) family (0.761) ezeziel (0.760) esther (0.755) learn (0.753) jesus (0.721) circumcision (0.716) status (0.713) worship (0.711) sabbath (0.711) wear (0.698) women (0.694) home (0.680) torah (0.676) elijah (0.674) marriage (0.672) seal (0.668) israelite (0.667) saint (0.658) prayer (0.652) messiah (0.644) menorah (0.638) atonement (0.629) joseph (0.614) king (0.612) moral (0.607) faith (0.601) teach (0.585) people (0.534) prophet (0.522) egypt (0.521) word (0.516) isaac (0.513) mount-sinal (0.504)

**MOST PROMINENT FEATURES:** eastern [0.711] north [0.701] south [0.695] central [0.688] asia [0.687] africa [0.684] east [0.683] europe [0.682] southern [0.681] university [0.678] orthodox [0.676] canada [0.676] coast [0.675] eastern [0.674] academy [0.673] graduate [0.673] college [0.673] medieval [0.673] professor [0.672] italy [0.671] reform [0.670] 16th [0.669] european [0.667] official [0.667] affiliate [0.666] historian [0.666] british [0.664] headquarters [0.662] edition [0.662] england [0.661]

## E.2: Seven Clusters

<p><b>CLUSTER 1 "Schools"</b> <math>p(c) = 0.1993</math>, <math>p^*(c) = 0.1457</math></p> <p><b>Buddhism:</b> america (0.999) asia (0.999) japan (0.999) west (0.999) east (0.999) korea (0.999) india (0.999) china (0.999) tibet (0.999) christian (0.999) school (0.999) theravada (0.999) hinduism (0.999) south (0.999) found (0.999) tradition (0.999) study (0.998) country (0.998) history (0.998) philosophy (0.997) religion (0.997) role (0.997) mahayana (0.997) religious (0.996) zen (0.996) sri-lanka (0.995) scholar (0.995) social (0.994) society (0.993) ethic (0.991) burma (0.991) missionary (0.988) founder (0.987) hinayana (0.987) vietnam (0.984) establish (0.982) member (0.981) veda (0.976) argue (0.968) vehicle (0.962) north (0.952) psychologist (0.945) vajrayana (0.944) literature (0.895) tantra (0.895) writing (0.890) authority (0.874) writer (0.859) sangha (0.855) student (0.854) thai (0.843) discussed (0.810) project (0.775) theory (0.745) vinaya (0.696) vipassana (0.676) monastery (0.649) discipline (0.608) author (0.599) begin (0.588) trade (0.579) doctrinal (0.561) koan (0.482)</p>
<p><b>Christianity:</b> orthodox (0.999) protestant (0.999) catholic (0.999) west (0.999) orthodoxy (0.999) organization (0.999) rome (0.999) council (0.999) america (0.999) pope (0.999) university (0.998) religious (0.998) evangelical (0.997) luther (0.995) theology (0.995) vatican (0.993) german (0.993) constantinople (0.992) bishop (0.992) role (0.991) postmodern (0.991) found (0.988) apostolic (0.985) church (0.981) association (0.977) baptist (0.954) religion (0.936) tradition (0.933) patriarch (0.919) jew (0.890) member (0.861) founder (0.815) authority (0.796) establish (0.746) history (0.707) ethic (0.688) ancient (0.595) cardinal (0.558)</p>
<p><b>Hinduism:</b> west (0.999) christian (0.999) religious (0.999) civilization (0.999) buddhism (0.999) aryan (0.999) social (0.998) founder (0.998) shaiva (0.998) caste (0.998) society (0.997) south (0.997) found (0.997) indus (0.996) samkhya (0.996) religion (0.996) science (0.996) history (0.996) tradition (0.994) scholar (0.992) foundation (0.991) country (0.989) muslim (0.989) india (0.989) art (0.988) study (0.988) ancient (0.985) theory (0.984) classical (0.979) faith (0.973) philosophy (0.972) authority (0.972) school (0.969) valley (0.958) practice (0.940) teaching (0.921) advaita (0.912) student (0.899) jain (0.869) doctrine (0.840) idea (0.833) literature (0.832) yoga (0.813) sankara (0.805) language (0.736) poet (0.674)</p>
<p><b>Islam:</b> africa (0.999) asia (0.999) west (0.999) east (0.999) sunni (0.999) shiah (0.998) christian (0.998) country (0.998) civilization (0.998) philosophy (0.998) racial (0.998) found (0.997) shii (0.997) religious (0.997) economy (0.992) sufi (0.988) university (0.984) science (0.983) jew (0.982) school (0.981) practice (0.979) founder (0.978) history (0.975) empire (0.966) foundation (0.958) study (0.952) race (0.951) india (0.951) student (0.932) finance (0.930) doctrine (0.929) polygamy (0.905) shariah (0.887) religion (0.872) fiqh (0.841) branch (0.822) establish (0.801) teaching (0.794) ummah (0.762) arabia (0.736) scholar (0.685) tradition (0.680) ruler (0.645) jihad (0.638) sheikh (0.633) social (0.566) authority (0.535) society (0.534)</p>
<p><b>Judaism:</b> reform (0.999) conservative (0.999) reconstructionism (0.999) zionism (0.999) orthodox (0.999) america (0.999) europe (0.999) sephardim (0.999) ashkenazim (0.999) religious (0.999) christian (0.999) east (0.999) religion (0.998) german (0.998) theology (0.997) philosophy (0.997) rabbinical (0.996) community (0.996) role (0.995) authority (0.995) society (0.993) social (0.981) establish (0.978) found (0.976) founder (0.972) country (0.966) history (0.963) tradition (0.953) ancient (0.927) school (0.921) scholar (0.881) halachah (0.875) center (0.870) writer (0.866) principles-of-faith (0.857) argue (0.851) literary (0.836) area (0.820) foundation (0.775) law (0.739) code (0.734) student (0.705) hasid (0.704) kabbalah (0.700) north (0.656) liturgy (0.640) teacher (0.600) jesus (0.592) member (0.581) argument (0.571) ritual (0.568) mystic (0.460) rabbi (0.427) messiah (0.281)</p>
<p><b>MOST PROMINENT FEATURES:</b> eastern [0.350] africa [0.329] europe [0.313] north [0.308] east [0.307] central [0.297] asia [0.294] dominant [0.293] south [0.292] orthodox [0.292] mainstream [0.291] protestant [0.285] affiliate [0.285] coast [0.284] reform [0.284] medieval [0.281] ethnic [0.280] russia [0.280] african [0.28] conservative [0.278] empire [0.278] southern [0.278] 19th [0.277] oriental [0.274] canada [0.274] germany [0.273] west [0.273] political [0.272] minority [0.272]</p>

<b>CLUSTER 2 "Divinity" <math>p(c)=0.1876</math>, <math>p^*(c)=0.1379</math></b>
<b>Buddhism:</b> god (0.865) brahma (0.854)
<b>Christianity:</b> holy-spirit (0.999) jesus-christ (0.998) god (0.997) father (0.997) savior (0.996) jesus (0.988) baptize (0.988) salvation (0.986) reign (0.985) gift (0.985) believing (0.980) love-of-god (0.973) baptism (0.972) disciple (0.971) command (0.964) confess (0.951) commandment (0.950) messiah (0.932) faith (0.919) resurrection (0.902) abraham (0.837) love (0.835) believer (0.796) teach (0.794) bless (0.787) redemption (0.742) justification (0.741) grant (0.715) forgiveness (0.690) gospel (0.681) law (0.661) moses (0.608) faithful (0.574) word (0.517) hear (0.516) miracle (0.461) being (0.456) prayer (0.438)
<b>Hinduism:</b> god (0.995) brahma (0.497)
<b>Islam:</b> god (0.999) allah (0.998) peace (0.997) messenger (0.991) jesus (0.989) worship (0.986) believing (0.981) tawhid (0.978) command (0.967) abraham (0.964) guide (0.960) prophet (0.954) moses (0.934) bless (0.928) believer (0.902) mohamad (0.863) angel (0.829) mankind (0.784) companion (0.772) divinity (0.741) deed (0.629) teach (0.584)
<b>Judaism:</b> god (0.994) hashem (0.987) bless (0.656) commandment (0.632) abraham (0.336)
<b>MOST PROMINENT FEATURES:</b> omnipotent [0.272] omniscient [0.264] almighty [0.256] mercy [0.240] infinite [0.240] worship [0.238] all-know [0.236] glory [0.234] creator [0.234] grace [0.233] saviour [0.231] manifestation [0.230] ye [0.229] transcendent [0.228] praise [0.226] wrath [0.226] gracious [0.225] bestow [0.222] trinity [0.222] disobey [0.222] sovereign [0.221] jealous [0.219] universe [0.219] remembrance [0.219] pray [0.218] surrender [0.217] forgive [0.217] curse [0.216] attribute [0.215]

<b>CLUSTER 3 "Religious Experience" <math>p(c)=0.1638</math>, <math>p^*(c)=0.1434</math></b>
<b>Buddhism:</b> phenomenon (0.999) perception (0.999) consciousness (0.999) human (0.999) concentration (0.999) mindfulness (0.999) physical (0.999) livelihood (0.999) liberation (0.999) buddha-nature (0.999) awareness (0.999) freedom (0.999) law (0.999) wisdom (0.999) eightfold-path (0.999) sentient (0.999) emptiness (0.999) purity (0.999) sense (0.999) attain (0.999) experience (0.999) existence (0.999) karma (0.999) buddhahood (0.999) speech (0.998) universe (0.998) soul (0.998) impermanence (0.998) salvation (0.997) emotion (0.997) spiritual (0.997) element (0.997) peace (0.997) noble-truths (0.997) intention (0.997) enlightenment (0.997) nirvana (0.997) moral (0.996) skilful (0.996) behavior (0.996) relationship (0.996) humanity (0.995) conditioning (0.995) exist (0.994) meditator (0.992) awaken (0.991) noble (0.991) generosity (0.990) bodhisattva (0.988) suffer (0.988) cause (0.988) unwholesome (0.987) arhat (0.986) being (0.985) dukkha (0.984) strength (0.983) samadhi (0.981) karmic-law (0.976) connect (0.975) attitude (0.970) root (0.965) deliverance (0.965) faith (0.961) training (0.957) focus (0.954) samsara (0.947) spirit (0.930) rebirth (0.928) problem (0.906) teach (0.897) realm (0.872) practice (0.849) meditation (0.760) dharma (0.754) guide (0.743) painful (0.739) metaphysical (0.731) foundation (0.702) five-precepts (0.693) gift (0.632) anger (0.587) reincarnation (0.577) find (0.540) sacrifice (0.474)
<b>Christianity:</b> moral (0.999) human (0.996) humanity (0.973) spiritual (0.968) relationship (0.961) experience (0.956) expression (0.946) incarnation (0.898) divinity (0.845) atonement (0.799) argue (0.522) guide (0.455)
<b>Hinduism:</b> consciousness (0.999) atman (0.999) human (0.999) existence (0.998) liberation (0.998) jnana (0.998) purity (0.998) sense (0.998) moksha (0.998) soul (0.997) freedom (0.997) attain (0.997) universe (0.996) karma (0.996) experience (0.992) brahman (0.984) humanity (0.983) manifestation (0.978) discipline (0.972) spirit (0.955) element (0.949) rebirth (0.949) reincarnation (0.934) being (0.914) bhakti (0.904) dharma (0.858) law (0.853) spirituality (0.835) divinity (0.790) samsara (0.624)
<b>Islam:</b> spiritual (0.999) human (0.999) physical (0.998) moral (0.997) consciousness (0.994) humanity (0.992) exist (0.992) justice (0.991) life (0.989) existence (0.988) universe (0.973) code (0.938) freedom (0.938) being (0.933) submission (0.922) wisdom (0.916) spirit (0.904) law (0.866) attitude (0.817) purification (0.802) judge (0.797) responsibility (0.705) faith (0.595) commandment (0.577) man (0.513) creature (0.493) problem (0.448)

<p><u>Judaism</u>: spiritual (0.999) human (0.999) existence (0.999) physical (0.998) expression (0.998) humanity (0.996) experience (0.993) moral (0.992) connect (0.991) revelation (0.989) relationship (0.986) soul (0.983) exist (0.978) freedom (0.971) universe (0.937) malchut (0.923) divinity (0.903) wisdom (0.895) spirit (0.887) intellectual (0.819) no-other-god (0.784) shechinah (0.761) faith (0.758) divine-creation (0.606) sefirot (0.442)</p>
<p><b>MOST PROMINENT FEATURES</b>: intrinsic [0.281] mental [0.26] realm [0.260] mature [0.259] rights [0.258] subjective [0.258] potential [0.254] intellect [0.253] dimension [0.253] intuitive [0.252] goal [0.251] objective [0.251] innate [0.251] perception [0.246] physical [0.244] species [0.243] material [0.242] finite [0.242] limitation [0.242] emotional [0.241] transcend [0.239] dignity [0.23] perfection [0.238] nature [0.238] infinite [0.237] betterment [0.235] physical [0.233] energy [0.233] reality [0.232] temporal [0.232]</p>

<p><b>CLUSTER 4 "Writings" <math>p(c) = 0.1181</math>, <math>p^*(c) = 0.1422</math></b></p>
<p><u>Buddhism</u>: pali-canon (0.999) sanskrit (0.999) sutra (0.999) pitaka (0.999) english (0.998) translate (0.997) chapter (0.994) abhidhamma (0.992) book (0.990) canonical (0.988) write (0.980) discourse (0.977) text (0.962) scripture (0.864) word (0.847) argument (0.643) story (0.639) teaching (0.500) precept (0.346)</p>
<p><u>Christianity</u>: chapter (0.999) hebrew (0.999) translate (0.999) greek (0.999) new-testament (0.999) book (0.999) text (0.999) old-testament (0.999) luke (0.999) matthew (0.999) passage (0.999) author (0.998) write (0.998) bible (0.998) writer (0.998) john (0.997) writing (0.997) study (0.996) apostle (0.993) isaiah (0.992) scripture (0.991) language (0.983) revelation (0.983) refer (0.981) paul (0.967) teaching (0.951) thomas (0.898) argument (0.896) theory (0.883) instruction (0.767) prophet (0.751) doctrinal (0.662) trinity (0.591) foundation (0.440) birth (0.359)</p>
<p><u>Hinduism</u>: rigveda (0.999) gita (0.999) sanskrit (0.999) upanishad (0.999) sutra (0.998) smriti (0.998) brahma-sutra (0.996) scripture (0.993) mahabharata (0.990) poem (0.989) text (0.988) purana (0.987) agama (0.987) hymn (0.984) vedas (0.979) epic (0.979) word (0.977) writing (0.977) book (0.974) write (0.966) author (0.814) ramayana (0.639) ramanuja (0.614)</p>
<p><u>Islam</u>: chapter (0.999) surah (0.999) bible (0.999) write (0.999) translate (0.999) hadith (0.999) book (0.999) language (0.997) scripture (0.996) quran (0.993) statement (0.989) sunnah (0.987) arab (0.985) author (0.972) english (0.965) imam (0.936) word (0.932) bukhari-muslim (0.922) writing (0.903) noah (0.869) holy (0.841) gabriel (0.692) revelation (0.653) writer (0.454) testimony (0.396)</p>
<p><u>Judaism</u>: tanakh (0.999) scripture (0.999) mishnah (0.999) book (0.999) oral (0.999) talmud (0.999) bible (0.999) write (0.999) letter (0.999) writing (0.999) gemara (0.999) chapter (0.999) word (0.998) zohar (0.997) text (0.996) torah (0.995) hebrew (0.989) author (0.951) ishaiah (0.948) prophet (0.947) language (0.921) siddur (0.918) statement (0.912) exodus (0.866) moses (0.862) scroll (0.852) teaching (0.765) discuss (0.649) study (0.432)</p>
<p><b>MOST PROMINENT FEATURES</b>: commentary [0.332] manuscript [0.330] translation [0.328] dictionary [0.316] grammar [0.304] translate [0.299] english [0.293] canon [0.289] translator [0.285] compile [0.284] authoritative [0.284] compilation [0.281] written [0.280] script [0.280] collection [0.279] pronunciation [0.277] edition [0.277] edit [0.276] print [0.275] publish [0.274] read [0.273] extant [0.271] verb [0.271] latin [0.270] text [0.270] treatise [0.268] verse [0.267] hebraic [0.266] publisher [0.266]</p>

<p><b>CLUSTER 5 "Festivals and Rite" <math>p(c) = 0.1163</math>, <math>p^*(c) = 0.1443</math></b></p>
<p><b>Buddhism:</b> full-moon (0.999) celebration (0.999) stupa (0.999) ceremony (0.999) sakya (0.998) abbot (0.998) ajahn (0.997) robe (0.997) retreat (0.996) house (0.994) forest (0.991) mandala (0.991) temple (0.985) king (0.982) bodhi-tree (0.981) pilgrimage (0.978) worship (0.976) amida (0.971) ordain (0.949) mantra (0.939) bhikkhu (0.922) monk (0.897) nun (0.887) experiment (0.882) sit (0.870) asceticism (0.806) meet (0.792) dalai-lama (0.744) branch (0.726) sacred (0.551) instruction (0.548) prince (0.531) lama (0.528) siddhartha-gautama (0.459)</p>
<p><b>Christianity:</b> easter (0.999) tabernacle (0.999) christmas (0.999) sunday (0.999) sabbath (0.999) jerusalem (0.999) pentecost (0.999) city (0.998) season (0.998) eucharist (0.996) pilgrimage (0.995) zion (0.994) bethlehem (0.993) story (0.992) jordan-river (0.991) service (0.991) trade (0.974) elijah (0.970) good-friday (0.969) mass (0.959) sacrament (0.955) idolatry (0.930) worship (0.913) john-the-baptist (0.910) jeremiah (0.908) ministry (0.904) king (0.892) house (0.854) bearing (0.826) priestly (0.817) minister (0.812) monk (0.810) meet (0.767) saint (0.752) school (0.742) israel (0.716) convert (0.633) predict (0.611) no-other-god (0.600) intercession (0.545) soul-winning (0.512) student (0.439) gentile (0.403)</p>
<p><b>Hinduism:</b> puja (0.999) ganesh (0.999) festival (0.999) ceremony (0.999) durga (0.999) rama (0.999) pilgrimage (0.999) rite (0.999) temple (0.999) holy (0.999) king (0.999) kali (0.998) priest (0.998) sacred (0.997) darshan (0.996) kumbhamela (0.995) prayer (0.995) devotee (0.994) idol (0.993) ahram (0.993) sita (0.993) invoke (0.991) ram (0.988) sadhu (0.988) varanasi (0.984) krishna (0.984) holy-people (0.981) hero (0.971) dance (0.971) ritual (0.968) brahmana (0.967) shri (0.944) gift (0.939) shiva (0.930) raja (0.927) worshiper (0.926) arjuna (0.920) star (0.913) brahmin (0.896) trimurti (0.874) story (0.841) asceticism (0.840) vishnu (0.837) yogi (0.829) buddha (0.818) vaishnavism (0.802) guru (0.753) meditation (0.678) shakti (0.562) chakra (0.558) mahatma (0.546)</p>
<p><b>Islam:</b> kaabah (0.999) id (0.999) ramadan (0.999) friday (0.999) id-al-fitr (0.999) haj (0.999) mecah (0.999) mosque (0.999) salah (0.999) pilgrimage (0.999) jerusalem (0.999) hijrah (0.999) madinah (0.998) city (0.996) istanbul (0.995) ishmael (0.995) pillars-of-faith (0.994) baghdad (0.994) ritual (0.992) fast (0.986) umar (0.986) army (0.985) story (0.984) house (0.984) succession (0.979) dua (0.976) company (0.968) prayer (0.961) israel (0.941) faithful (0.929) sacred (0.918) tipu (0.917) ali (0.887) service (0.859) trade (0.856) calif (0.843) tribe (0.835) descendant (0.814) abu-bakr (0.761) bank (0.756) charity (0.739) saint (0.726) read-quran (0.699) meet (0.520) muhammad-the-prophet-of-allah (0.514) mission (0.447) preach (0.280) declaration (0.232)</p>
<p><b>Judaism:</b> sukoth (0.999) festival (0.999) shavuot (0.999) temple (0.999) passover (0.999) jerusalem (0.999) rosh-hashanah (0.999) temple-mount (0.999) rosh-hodesh (0.999) celebration (0.999) high-priest (0.999) sabbath (0.999) atonement (0.999) holiday (0.999) mourn (0.999) purim (0.999) menorah (0.999) city (0.999) canaan (0.999) mikveh (0.999) candle (0.999) priest (0.998) read-torah (0.998) service (0.998) david (0.997) calendar (0.997) solomon (0.995) tribe (0.993) king (0.993) house (0.993) kingdom (0.992) exile (0.992) levi (0.991) talit (0.991) meal (0.990) sea (0.989) elijah (0.986) bris (0.985) rome (0.980) holy (0.979) esther (0.976) judah (0.972) worship (0.972) yhwh (0.971) yarmulke (0.970) prayer (0.969) saint (0.967) seal (0.960) israelite (0.958) synagogue (0.958) babylon (0.956) ari (0.952) parsha (0.945) egypt (0.944) isaac (0.939) wear (0.934) sacrifice (0.932) tefilin (0.916) circumcision (0.912) israel (0.902) ezekiel (0.871) covenant (0.791) noah (0.783) faithful (0.706) mount-sinai (0.701) yeshivah (0.701) daniel (0.698) home (0.652) jeremiah (0.641) star (0.595) story (0.586) repentance (0.580) pharaoh (0.496) mitzvah (0.363)</p>
<p><b>MOST PROMINENT FEATURES:</b> annual [0.328] festival [0.308] saturday [0.298] friday [0.294] funeral [0.286] rebuild [0.285] feast [0.282] grand [0.281] decorate [0.281] shrine [0.281] holiday [0.278] bus [0.278] noon [0.276] commemorate [0.273] celebrated [0.270] yearly [0.270] mile [0.269] congregational [0.269] dome [0.268] pilgrimage [0.267] memorial [0.267] nearby [0.26] season [0.264] don [0.262] afternoon [0.262] sunday [0.261] december [0.260] evening [0.260] monday [0.259] throng [0.259]</p>



<b>CLUSTER 6 "Sin, Suffering and Material Existence"</b>
$p(c) = 0.1095, p^*(c) = 0.1425$
<u>Buddhism</u> : lamentation (0.999) water (0.999) grief (0.999) kill (0.999) eat (0.999) hell (0.997) animal (0.992) death (0.982) heaven (0.982) birth (0.962) pain (0.919) man (0.862) tree (0.755) deva (0.525)
<u>Christianity</u> : fire (0.999) punishment (0.999) eat (0.999) water (0.999) animal (0.999) lost (0.998) hell (0.998) perish (0.997) lamb (0.997) pay (0.996) blood (0.995) eye (0.993) condemnation (0.993) fish (0.991) sinless (0.989) adultery (0.989) violence (0.989) suffer (0.984) soul (0.977) godly (0.976) earth (0.971) face (0.971) reward (0.966) death (0.961) devil (0.958) flesh (0.957) sin (0.949) sinful (0.946) judgment (0.943) win (0.934) sake (0.933) passion (0.915) mankind (0.899) sinner (0.896) man (0.891) heaven (0.872) voice (0.863) bread (0.857) cross (0.844) earthly (0.833) good-work (0.798) sacrifice (0.757) crucifixion (0.695) obey-god (0.673) righteousness (0.584) angel (0.563) peace (0.525) repentance (0.518) kingdom (0.510) elect (0.506)
<u>Hinduism</u> : animal (0.999) heaven (0.999) earth (0.998) death (0.998) water (0.997) kill (0.996) demon (0.992) birth (0.958) sun (0.955) food (0.941) man (0.825) fire (0.634) sacrifice (0.569) indra (0.537) person (0.413)
<u>Islam</u> : water (0.999) animal (0.999) hell (0.999) punishment (0.999) paradise (0.998) food (0.998) pain (0.997) sin (0.995) earth (0.995) adultery (0.994) kill (0.993) death (0.993) lawful (0.990) satan (0.986) heaven (0.984) forbid (0.981) poverty (0.946) soul (0.910) enemy (0.836) intercession (0.832) facing (0.818) drink-alcohol (0.754) haram (0.723) judgment (0.622) needy (0.606) fight (0.527) idolatry (0.509) remember (0.499) witness (0.449) master (0.443)
<u>Judaism</u> : animal (0.999) water (0.998) eat (0.998) kosher (0.998) sin (0.989) heaven (0.989) death (0.987) food (0.987) forbid (0.986) idolatry (0.966) eden (0.955) hell (0.952) kill (0.951) angel (0.946) adam (0.913) violate (0.887) reward (0.871) hide (0.820) man (0.746) command (0.708) redemption (0.624) peace (0.591) teshuvah (0.590) judgment (0.579) golden-calf (0.534) salvation (0.467)
<u>MOST PROMINENT FEATURES</u> : vegetable [0.321] insect [0.318] penalty [0.308] quench [0.303] drink [0.301] plant [0.296] meat [0.294] fish [0.294] hell [0.293] bird [0.284] slaughter [0.281] beast [0.278] drop [0.278] taste [0.276] worm [0.274] drinking [0.274] wild [0.273] pig [0.273] grass [0.272] torment [0.268] boil [0.267] pour [0.266] smoke [0.266] poison [0.263] glass [0.263] specie [0.261] fat [0.261] decay [0.26] injure [0.259]

<b>CLUSTER 7 "Community and Family"</b>
$p(c) = 0.1053, p^*(c) = 0.144$
<u>Buddhism</u> : child (0.996) friend (0.993) son (0.981) people (0.977) family (0.958) question (0.940) learn (0.881) hear (0.810) teacher (0.808) disciple (0.528) master (0.470)
<u>Christianity</u> : friend (0.992) family (0.989) mother (0.984) boy (0.982) question (0.957) woman (0.956) problem (0.941) learn (0.929) child (0.908) home (0.906) listen (0.893) teacher (0.834) preach (0.794) find (0.759) people (0.723) reading-bible (0.423) mary (0.342)
<u>Hinduism</u> : child (0.999) question (0.997) son (0.994) mother (0.976) family (0.974) learn (0.958) people (0.911) teacher (0.713) teach (0.615) find (0.606)
<u>Islam</u> : sister (0.999) husband (0.999) wife (0.999) child (0.997) family (0.997) marriage (0.996) mother (0.996) woman (0.993) brother (0.987) question (0.987) father (0.985) daughter (0.985) friend (0.979) female (0.934) home (0.921) share (0.875) find (0.859) people (0.849) teacher (0.827) son (0.725) learn (0.501)
<u>Judaism</u> : child (0.998) marriage (0.996) wife (0.995) mother (0.993) father (0.985) women (0.980) question (0.968) family (0.956) people (0.919) joseph (0.879) son (0.858) hear (0.840) learn (0.833) find (0.803) jacob (0.758) sarah (0.691) status (0.554) teach (0.533) gentile (0.521)
<u>MOST PROMINENT FEATURES</u> : husband [0.292] parent [0.290] nursing [0.263] spouse [0.263] elderly [0.262] unanswered [0.262] relative [0.261] grandchild [0.259] daughter [0.259] pose [0.259] answer [0.257] marry [0.256] dad [0.256] extended [0.256] pregnant [0.253] wife [0.253] sister [0.251] aunt [0.250] married [0.247] wean [0.246] adult [0.244] nurse [0.241] brother [0.241] rape [0.238] young [0.237] toy [0.235] illegitimate [0.234] mother [0.234] stranger [0.234]

