AAC. See Augmentative and Alternative Communication (AAC) Abstraction, 22 Accultran, 71 Acosta-Vargas, P., 177-178 Adaptability, 5-7. See also Pictographs Alajarmeh, N., 177-178 Allophones, 14 Amazon Mechanical Turk (MTurk), 133 American Sign Language (ASL), 157, 178 Andreu-Valls, M., 181 Anxiety disorders, cultural and linguistic bias regarding, 101-102, 118, 119-121, 122 Apple, 72 Apple Watch, 53 AR (Augmented Reality), 54 Arassac, 131-133, 135-137, 142-143, 144 ASL (American Sign Language), 157, 178 ASR. See automatic speech recognition (ASR) ASURA system, 23-24 ATLAS system, 24, Augmentative and Alternative Communication (AAC), 131-133, 135-136, 147 Augmented Reality (AR), 54 Australia National Accreditation Authority for Translators and Interpreters (NAATI), 2 sign language translation tools in, 157 automatic speech recognition (ASR) classical ASR, 11 in Converser for Healthcare, 62, 64-65 directions in, 13 Hidden Markov models, 11 issues in. 12 language models, 11 neural ASR, 12

samples generally, 43 iPhone Native ASR, 44 Microsoft Word (Windows 10), 44 Viterbi algorithms, 11 Babbel, 53 BabelDr generally, 5-6, 129 customizability of, 56-57 as healthcare application, 56-57 low-resource languages and, 6 offline preparation of output in, 48 pictographs (See Pictographs) reliability of, 56 Speech2sign version, 164 Swiss-French Sign Language (LSF-CH) (See Swiss-French Sign Language (LSF-CH)) Back-translation, 49 Bayesian classifiers. See Relevance vector machines (RVMs) Berners-Lee, Tim, 187-188, 200 BERT language model, 34 Bias. See Cultural and linguistic bias Bi-directional speech approaches in healthcare applications generally, 57-58 Accultran, 71 Converser for Healthcare (See Converser for Healthcare) English-Portuguese SLT, 71 Fujitsu (See Fujitsu Laboratories, Ltd.) Google Translate, 57 Jibbigo, 71 MASTOR, 71

MedSLT, 71 surveys, 71 Translation Shortcuts (See Translation Shortcuts) Binggeli, Tatjana, 153-154 Blind and visually impaired (BVI) persons accessibility of healthcare websites by, 178 multilingual healthcare website accessibility by, 181-182 Bluetooth, 53 Brainik, G., 187 Brooke, J., 140 Bureau of Internet Accessibility, 184 BVI (Blind and visually impaired) persons accessibility of healthcare websites by, 178 multilingual healthcare website accessibility by, 181-182 Canada, accessibility of healthcare websites in, 177 Canopy, 72, 129 Cantero, Odile, 153-154 Carnegie Mellon University, 9170, 52 Carol Davila University of Medicine and Pharmacy (Bucharest), 158 Casalegno, E., 181-182 CDFA-2 (Clinical Document Architecture), 71 Cheetah, 53 Chrome DevTools, 184 Clarke, Arthur C., 74 Classical ASR, 11 Clinical Document Architecture (CDA-2), 71 Cloud computing, 54 CNNs (Convolutional Neural Networks), 35-36 Coarticulation, 14 Cod.eX, 201 Concatenative TTS generally, 13-14 allophones, 14 coarticulation, 14 extra-prosodic speech features, 15 lexical disambiguation, 14-15 normalization, 15 pronunciation problems, 15 prosody, 15 Convention on the Rights of Persons with Disabilities (UNCRPD), 156 Converser for Healthcare generally, 7, 58

automatic speech recognition (ASR) in, 62, 63-65 Change Meaning window, 64 Earring icon, 50, 62, 63, 64-65 evaluation of. 61 feedback, 59 lexical disambiguation, 59 machine translation (MT) in, 62 Meaning Cues window, 59, 64 multimodal input, 60-61 NoPrecheck mode, 62, 64-65 pilot project, 61 Precheck mode, 62 revised system, 61-65 surveys, 71 system description, 58-60 Traffic Light icon, 50, 62, 63-65 Translation Shortcuts (See Translation Shortcuts) Convolutional Neural Networks (CNNs), 35-36 C-STAR, 25 Cultural and linguistic bias generally, 100-102 anxiety disorders, negativity toward, 101-102, 118, 119-121, 122 back-translations with negative connotations, 122 data collection generally, 102-103 information accessibility and, 102-103 information credibility and, 103 topic relevance and, 102 understandability and, 103 user relevance and, 103 feature optimization figures, 105-107 lexical dispersion rate features, 107-108 lexical frequency band features, 108 semantic features, 108 feature set descriptions, 124-126 gender bias, 100-101 Google Translate (GT) and, 104, 120 health information websites, 127-128 Mann Whitney U test, 112, 126-127 mean AUC, 115, 117 paired sample t tests high-performing classifiers, 117 sensitivity difference, 114 specificity difference, 114, 115 racial bias, 100-101

Cultural and linguistic bias (cont.) relevance vector machines (RVMs) combined, separately optimized versus full features sets, 113 development of classifiers, 104, 120 empirical results generally, 120 high-sensitivity classifiers, 118-119 high-specificity classifiers, 118, 119 jointly optimized versus full features sets, 112 separately optimized versus full features sets. 111 training and testing datasets, 104 variation of AUC, 115, 116 Culturally and Linguistically Diverse (CALD) Assist, 72, 129 Deaf community generally, 3 access to healthcare, importance of, 153-154 improvements in healthcare communication, 154 inclusivity for, 7-8 increase in hearing impairment, 7 sign language (See Sign language) Swiss-French Sign Language (LSF-CH) and, 153, 154 (See also Swiss-French Sign Language (LSF-CH)) in Switzerland generally, 154 access to healthcare by, 153-154 legal framework, 154-155 sign language, 154-155 DeepL Translator, 35-36, 45-46, 56, 70 Deque Systems, 187 Detectability of errors, 4-5. See also Prediction of errors DGS (German Sign Language), 157-158 DictaSign, 161 Dillinger, Mike, 61 Disabilities, people with. See People with disabilities (PwD) Distributional hypothesis, 27 Doodle Health, 133 Dr. Passport, 129 DuoChart, 72 Dutch Sign Language (NGT), 158

Earbuds, 53 Encoder layers, 36–38 English-Portuguese SLT, 71 Equality of access to healthcare information generally, 8-9, 176, 202 abstract, 175 accessibility of healthcare websites. 176-178 barriers to generally, 8, 197 accessibility knowledge, lack of, 197-198 localization knowledge, lack of, 197 web authoring tool settings, varied access to. 198 challenges in evaluation generally, 198 accessibility enablers with interdisciplinary background, need for, 200 - 201automated audits, 198-199 compliance criteria, defining, 199-200 empirical results accessibility errors, 189 language of page, 191-192 limitations of, 201 title of page, 192-193 future research, 202 Google Translate and, 183 on Internet generally, 175 language of page empirical results, 191–192 as feature studied, 186 language values used, 192 percentage of pages per language meeting compliance criteria, 191–192 localization of healthcare websites, 178 - 180multilingual healthcare website accessibility, 180 - 182organizations, list of, 209 study methodology generally, 182-183 data selection, 183-184 language of page, 186 language values used, 192 testing methods, 184-185 title of page, 187-189 title of page abbreviations without expanded form, absence of, 195 compliance criteria, 193 empirical results, 192-193 as feature studied, 187-189 identification of subject, 194

localized title differing from original title, 195 - 196original and target language, text not in both. 196 percentage of pages per language meeting compliance criteria, 192-193 repetitions, absence of, 194-195 sense when read out of context, 194 shortness of title, 193 target language, text in, 196 types of errors, 193 URL addresses, absence of, 195 websites, list of, 209 eSIGN, 161 Facebook, 31, 52 Feedback, 49, 59 Firth, John Rupert, 27 Fixed-phrase approaches in healthcare applications generally, 55, 129-130 Canopy, 72 DuoChart, 72 MavroEmergency Medical Spanish, 72 MediBabble, 72 MedSpeak, 72 Phraselator, 55-56 S-MINDS, 55-56 surveys, 72 Universal Doctor, 72 Flesch Reading Ease Score, 89-93 Fluential, 55, 56 Françoise avatar, 161 French Belgian Sign Language (LSFB), 164-166, 167 Fujitsu Laboratories, Ltd. generally, 58, 67-68 actual trials, 69 Artificial Intelligence Laboratory, 53, 67 clinical trials, 68-69 design preparation, 68 future commercialization and deployment, 69 simulation tests, 68 wearables, 69 German Sign Language (DGS), 157-158 Gestural Signing Gesture Markup Language

Gestural Signing Gesture Markup Language (G-SigML), 161–164 Google, 28–29, 31 Google Lighthouse, 184, 185, 188, 189, 191 Google Translate (GT) cultural and linguistic bias and, 104, 120 equality of access to healthcare information and, 183 as healthcare application, 57, 59 neural machine translation (NMT) and, 78 prediction of errors and, 81, 82, 83, 85, 94 GPT-3, 32, 35 G-SigML (Gestural Signing Gesture Markup Language), 161-163 GT. See Google Translate (GT) Gunning Fox Index, 89-93 Hamburg Notation System for Sign Languages (HNS), 161 Hanson, V. L., 199 Healthcare applications generally, 47, 54-55, 73-74 abstract, 47 bi-directional speech approaches (See Bidirectional speech approaches in healthcare applications) caveats, 73-74 customization of generally, 51 Augmented Reality (AR), 54 cloud computing, 54 data security, 54 earbuds, 53 laptops, 53 peripherals, 53-54 platforms, 51-53 smartphones, 53 tablets, 53 wearables, 53 fixed-phrase approaches (See Fixed-phrase approaches in healthcare applications) hybrid approaches, 55 reliability of generally, 48 as accuracy plus confidence, 48 back-translation, 49 correction, 49-50 feedback, 49 offline preparation of output, 48-49 record-keeping, 51 studies, 70 translation memory, 48-49 surveys generally, 71 bi-directional speech approaches, 71

Healthcare applications (cont.) fixed-phrase approaches, 72 representative apps, 72-73 Hidden Markov models, 11 HiFi-GAN, 17 Hill, B., 131 HNS (Hamburg Notation System for Sign Languages), 161 HospiSign, 158-159 IBM, 25, 59, 71 ICESCR (International Covenant on Economic, Social and Cultural Rights), 156 **IDEA** principles generally, 3 adaptability, 5-7 (See also Pictographs) detectability of errors, 4-5 (See also Prediction of errors) equality of access, 8-9 (See also Equality of access to healthcare information) inclusivity, 7-8 (See also Swiss-French Sign Language (LSF-CH)) IETF. See Internet Engineering Task Force (IETF) IF (Interchange Format), 25 IHG Translator App, 53 ili. 53 Importance of accessibility, 1-3 Inclusivity, 7-8. See also Swiss-French Sign Language (LSF-CH) Interchange Format (IF), 25 International Covenant on Economic, Social and Cultural Rights (ICESCR), 156 Internet, access to healthcare information on. See Equality of access to healthcare information Internet Engineering Task Force (IETF), 186 iPhone Native ASR, 44 iPhones, 52 Iran, accessibility of healthcare websites in, 177-178 Ishida, R., 186 Italy accessibility of healthcare websites in, 177 sign language translation tools in, 157 iTranslate, 53 Japan

Global Communication Plan Project, 67

National Institute of Information and Communications Technology (NICT), 68 JASigning avatar, 158, 161-164 Ji, Meng, 73 Jibbigo, 56, 71 Jiménez-Crespo, M.Á., 178-180, 181, 183, 197 Kaiser Permanente, 58, 61 Kassam, R., 133 Katz, M. G., 131 Kerremans, K., 129 Kim, H., 133 Korea, accessibility of healthcare websites in, 178 Kushalnagar, P., 178 Lancaster Semantic Annotation System (USAS), 84, 103 Language models, 11 Laptops, 53 Large Language Models (LLMs), 34, 35 Lexical disambiguation, 14-15, 23, 59 Limited literacy/educational attainment, 3 Linguistic bias. See Cultural and linguistic bias Linguistic Inquiry and Word Count System (LIWC), 104 LiteDevTool, 169 LIWC (Linguistic Inquiry and Word Count System), 104 LLMs (Large Language Models), 34, 35 LSFB, 170 LSFB (French Belgian Sign Language), 164-166, 167 LSR (Romanian Sign Language), 158 Lüchtenberg, M., 178 Machine translation (MT) generally, 17-18, 130 based on fixed phrases, 18 beyond fixed phrases, 18 in Converser for Healthcare, 62 neural machine translation (NMT) (See Neural machine translation (NMT)) rule-based MT (See Rule-based machine translation) statistical machine translation (SMT), 25-28 vector-based semantics, 26-28 Marcos, M.-C., 181 MASTOR, 25, 59, 71 MavroEmergency Medical Spanish, 72

MediBabble, 72, 129, 154 Medical Signbank, 157 Medipicto AP-HP, 133-134 MedlinePlus, 183 MedSLT. 71 MedSpeak, 72 Meta, 31 Microsoft, 59 Microsoft Translator, 53 Microsoft Word (Windows 10), 44 Minacapilli, C. A., 182, 197 Moore's Law, 11 MSD Manuals, 80-81 MT. See machine translation (MT) MTurk (Amazon Mechanical Turk), 133 Multiculturalism, 1-2 Multilingualism, 1-2 Musleh, Ahmad, 71, 72 My Symptoms Translator, 133-134 Nagase, Tomoki, 67 Netherlands Deaf community, access to healthcare by, 153 - 154sign language translation tools in. 158 Neural ASR, 12 Neural machine translation (NMT) generally, 28-32 conceptual introduction, 29-30 cultural and linguistic bias in (See Cultural and linguistic bias) Google Translate (GT) and, 78 hidden learning, 30-31 prediction of errors and, 78 transformers (See Transformers) "zero-shot" NMT, 31 Neural TTS generally, 16 control points, absence of, 17 insufficient training data, 17 neural vocoders, 17 pronunciation problems, 17 prosody, 17 time and computation required, 17 Neural vocoders, 17 NGT (Dutch Sign Language), 158 NMT. See Neural machine translation (NMT) Normalization, 15 Nuance, Inc., 59

Oleander Software, 83 Paradigms, 18 Parmanto, B., 177 People with disabilities (PwD) blind and visually impaired (BVI) persons accessibility of healthcare websites by, 178 multilingual healthcare website accessibility by, 181-182 Deaf community (See Deaf community) prevalence of, 2-3 unmet needs for healthcare information, 175 - 176Phraselator, 55-56 Pictographs generally, 6, 129-130, 148 abstract, 129 Arassac, 131-133, 135-137, 142-143, 144 bi-directional interface, 134-135 comprehensibility previous study, 136-137 in usability study, 145, 147 crowdsourcing and, 133 expandability of content, 138-139 limited availability of, 133-134 medical communication, use in, 131-134 Medipicto AP-HP, 133-134 My Symptoms Translator, 133-134 patient satisfaction study generally, 130, 147 empirical results, 140-142 limitations of, 147-148 study design, 138-140 response editor, 138-139 SantéBD, 131, 132 Sclera, 131-133, 135-137, 142-143, 144 selection of, 135-137 usability study generally, 130, 147 comprehensibility, 145, 147 device used, effect of, 147 empirical results, 145 limitations of, 147-148 number of choices, effect of, 145, 147 order of choices, effect of, 146-147 response time, 145-146 study design, 142-144 USP, 131 Visualisation of Concepts in Medicine (VCM), 131 Widgit Health, 131

Piller, I., 179 Pisourd, 157, 159 Pitch Synchronous Overlap and Add (PSOLA), 15 Pockettalk, 53 Pontus, V., 182, 197 Prediction of errors generally, 5, 78-80, 96-97 abstract, 78 annotation of features, 83-84 Bayesian classifiers (See Relevance vector machines (RVMs)) conceptual mistakes in machine translation, 82 - 83Google Translate (GT) and, 81, 82, 83, 85.94 infectious diseases and, 81 joint feature optimization, 87 labelling of machine translations, 81 neural machine translation (NMT) and, 78 prevalence of conceptual mistakes, 83 relevance vector machines (RVMs) and (See Relevance vector machines (RVMs)) research hypothesis, 80 screening criteria, 80-81 separate feature optimization, 86-87 sources of errors, 79 Prosody, 15, 17 PSOLA (Pitch Synchronous Overlap and Add), 15 PwD. See People with disabilities (PwD) Rahmatizadeh, S., 177-178 Readability Studio, 83 Recurrent Neural Networks (RNNs), 33, 34 Recursive Feature Elimination with SVM (RFE-SVM), 86 Relevance vector machines (RVMs) cultural and linguistic bias and combined, separately optimized versus full features sets, 113 development of classifiers, 104, 120 empirical results generally, 120 high-sensitivity classifiers, 118-119 high-specificity classifiers, 118, 119 jointly optimized versus full features sets, 112 separately optimized versus full features sets. 111 prediction of errors and generally, 79, 80, 84-85

backward feature elimination, 86 classifier optimization, 85-86 combined features via separate optimization (CFSO), 88-89, 91, 95, 96 comparison with binary classifiers, 89-93 error-prone English text (EPET), 93-94 Flesch Reading Ease Score, 89-93 Gunning Fox Index, 89-93 jointly optimized structural and semantic features (CFJO), 88-89 non-error-prone English text (non-EPET), 93-94 optimized semantic features (OSF), 88-89 optimized structural features (OTF), 88-89 paired-sample area difference under ROC curves, 92-93 percentage of texts assigned to 10% probability bins, 93-94 performance using different feature sets on test dataset, 88-89 positive likelihood ratio (LR+), 95-96 probability thresholds, 95 readability formulas, 90 Recursive Feature Elimination with SVM (RFE-SVM), 86 sensitivity-specificity pairs, 95 SMOG Index and, 89-93 support vector machines (SVMs) contrasted, 93 testing and training, 85 **RFE-SVM** (Recursive Feature Elimination with SVM), 86 Richards, J. T., 199 Right to health, 155-157 RNNs (Recurrent Neural Networks), 33, 34 Rodríguez Vázquez, S., 181-182 Roelofsen, Floris, 159 Romania, sign language translation tools in, 158 Romanian Sign Language (LSR), 158 Rule-based machine translation generally, 19 direct translation, 21 interlingua-based translation, 22 intermediate structures, 19-20 lexical disambiguation, 23 semantics in, 22-25 syntactic versus semantic features, 19-20 transfer-based translation, 21-22 Vauquois triangle, 20-21 RVMs. See Relevance vector machines (RVMs)

SantéBD, 131, 132 Schuurman, I., 131–133 Sclera, 131-133, 135-137, 142-143, 144 Sehda, Inc., 55, 56 SELECT, 59 Seligman, Mark, 61 Sevens, L., 135 SigLa platform, 163-164, 169, 170 SignLab, 158 Sign language American Sign Language (ASL), 157, 178 Dutch Sign Language (NGT), 158 French Belgian Sign Language (LSFB), 164-166, 167 German Sign Language (DGS), 157-158 LSFB, 170 Romanian Sign Language (LSR), 158 Swiss-French Sign Language (LSF-CH) (See Swiss-French Sign Language (LSF-CH)) Swiss-German Sign Language (DSGS), 154-155 Swiss-Italian Sign Language (LIS-SI), 154-155 in Switzerland, 154-155 translation tools generally, 157, 159 HospiSign, 158-159 Medical Signbank, 157 Pisourd, 157, 159 SignLab, 158 TraducMed, 157 World Health Sign, 157 Smartphones, 53 S-MINDS, 55-56, 71 SMOG Index, 89–93 SMOTE (Synthetic Minority Oversampling Technique), 104 SMT (Statistical machine translation), 25-28 SNOMED-CT, 71 Sofmax, 39 Spain, sign language translation tools in, 157 Speak & Translate, 53 Speech and language translation technologies generally, 10-11, 40 abstract, 100 automatic speech recognition (ASR) (See automatic speech recognition (ASR))

healthcare applications (See Healthcare applications) machine translation (MT) (See machine translation (MT)) text-to-speech (TTS) (See text-to-speech (TTS)) Speech synthesis. See text-to-speech (TTS) Standard Rules on the Equalization of Opportunities for Persons with Disabilities, 156 Statistical machine translation (SMT), 25 - 28Strategy for the Rights of Persons with Disabilities 2021-2030, 175 Support vector machines (SVMs), 93 SUS (System Usability Scale), 140 Sustainable Development Goals, 175 SVMs (Support vector machines), 93 Swiss-French Sign Language (LSF-CH) generally, 7-8, 154-155, 169 abstract, 152 Deaf community and, 153, 154 development of, 159-160 Françoise avatar, 161 future research, 169-170 Gestural Signing Gesture Markup Language (G-SigML), 161-164 Hamburg Notation System for Sign Languages (HNS), 161 JASigning avatar, 158, 161-164 LiteDevTool, 169 qualitative evaluation of, 164-169 recording of translations generally, 160 images, 160 medical jargon, 160 paraphrases, 160 proper names, 160 recording medium, 160 sample sentences, 161 subtitles, 160 SigLa platform, 163-164, 169, 170 sign tables, 163 Speech2sign version, 164 virtual avatars, 161-164 Swiss-German Sign Language (DSGS), 154-155 Swiss-Italian Sign Language (LIS-SI), 154-155 Switzerland Constitution, 156

Switzerland (cont.) Deaf community in generally, 154 access to healthcare by, 153-154 legal framework, 154–155 sign language, 154-155 Disability Equality Act, 156 Federal Statistical Office, 152-153 language barriers in, 152-153 right to health in, 156 sign language translation tools in, 157 Swiss Federation of the Deaf, 155 Swiss-French Sign Language (LSF-CH) (See Swiss-French Sign Language (LSF-CH)) Synthetic Minority Oversampling Technique (SMOTE), 104 System Usability Scale (SUS), 140 SYSTRAN, 28-29, 31 Tablets, 53 TalkMondo, 53 Talk To Me, 72, 129 Text-to-speech (TTS) generally, 13 concatenative TTS generally, 13-14 allophones, 14 coarticulation, 14 extra-prosodic speech features, 15 lexical disambiguation, 14-15 normalization, 15 pronunciation problems, 15 prosody, 15 neural TTS generally, 16 control points, absence of, 17 insufficient training data, 17 neural vocoders, 17 pronunciation problems, 17 prosody, 17 time and computation required, 17 TraducMed, 157 Transformers generally, 32 attention across languages, 38-40 attention as context-worthiness, 33-35 context, role of, 32-33 Convolutional Neural Networks (CNNs), 35-36 delivery, 39-40

encoder layers, 36-38 as general purpose predictors, 35-36 Large Language Models (LLMs), 34, 35 Recurrent Neural Networks (RNNs). 33.34 vanishing gradient problem, 33 Translational Web Corpus of Medical Spanish (TWCoMS), 180 Translation memory, 48-49 Translation samples, 45-46 Translation Shortcuts generally, 7, 58, 59-60, 65 access to storage, 65 Browser, 66, 67 multimodal input, 60-61 Search. 66-67 verification of translations, 65 TTS. See text-to-speech (TTS) Turkey, sign language translation tools in, 158-159 TWCoMS (Translational Web Corpus of Medical Spanish), 180 Uchida, Hiroshi, 24-25 UNCRPD (Convention on the Rights of Persons with Disabilities), 156 United Kingdom British National Corpus, 103, 108 Deaf community, access to healthcare by, 153 Royal National Institute for Deaf People, 153 United Nations Convention on the Rights of Persons with Disabilities (UNCRPD), 156 on people with disabilities (PwD), 175-176 Standard Rules on the Equalization of Opportunities for Persons with Disabilities, 156 Sustainable Development Goals, 175 World Programme of Action concerning Disabled Persons, 156 United States Americans with Disabilities Act (ADA), 184 Bureau of Labor Statistics, 100-101 Deaf community, access to healthcare by, 153 Defense Advanced Research Programs Agency, 57-58 Department of Justice (DOJ), 184 Health Insurance Portability and Accountability Act (HIPAA), 54

localization of healthcare websites in, 179-180 multilingual healthcare website accessibility in, 181 National Library of Medicine (NLM), 183 Universal Declaration of Human Rights, 156 Universal Doctor, 72, 129, 154 Universal Networking Language (UNL), 24-25 University of Cambridge, 100 University of East Anglia, 161 University of Geneva, 1, 5-6, 56, 134, 144 University of Göttingen, 157-158 University of Lancaster, 84 University of Sydney, 1 University of Texas at Austin, 104 University of Tokyo, 68 UNL (Universal Networking Language), 24-25 USAS (Lancaster Semantic Annotation System), 84, 103 USP, 131 Valizadeh-Haghi, S., 177-178 Vandeghinste, V., 131-133 Vanishing gradient problem, 33 Vaschalde, C., 131-133 Vauquois triangle, 20-21 VCM (Visualisation of Concepts in

Medicine), 131

(VCM), 131

Viterbi algorithms, 11

Visualisation of Concepts in Medicine

ViSiCAST, 161

Waibel, Alex, 52, 56 WAI (Web Accessibility Initiative), 187 WaveNet, 17 Way, Andv. 118 WCAG. See Web Content Accessibility Guidelines (WCAG) Wearables, 53 Web Accessibility Initiative (WAI), 187, 200 Web Content Accessibility Guidelines (WCAG), 177, 181, 184, 185-186, 197 WHO. See World Health Organisation (WHO) Widgit Health, 131 Wołk, K., 134 Word Magic, 19, 23, 59 World Health Organization (WHO), 2-3, 154, 155-156 World Health Sign, 157 World Programme of Action concerning Disabled Persons, 156 World Wide Web Consortium (W3C), 177, 199 W3C (World Wide Web Consortium), 177, 199 Yi, Y.J., 178 Youngblood, N.E., 178 Yu, B., 133 Yunker, J., 202 Zeng, X., 177

Zeng, X., 177 Zeng-Treitler, Q., 131 "Zero-shot" NMT, 31 Zoom, 52