

# Index

## A

Academic silos, 155  
Adaptation of methods, 67  
Aesthetics, 83, 111, 118, 171  
Agency, 3, 34, 67, 95, 118, 120, 124, 140, 155–157, 159, 164, 172  
Album' concept, 162  
Alienation from poetry, 14  
Analysing poetry, 16, 19, 51, 54, 56, 81  
An American Lyric, 175  
An Astronaut's Broken Heart, 38  
Angelou, Maya, 176  
Anonymisation of records, 143  
Antarctic Artists and Writers Program, 154  
Artistic license, 83  
Arts Council England, 158  
Assignment of categories, 87  
Atkins, S., 137  
Audacity software, 46  
Audiences for poetry  
    collaboration with, 5, 154, 155, 161, 176  
    knowledge of, 16, 20, 119  
    multiple, 4, 47, 53  
    reaching out to, 120  
    targeting of, 11, 25, 44  
Audio recording, 46  
Audit and the auditing trail, 61, 64, 65, 73, 90, 94  
Australian Science Communicators, 87  
Awareness-raising, 43, 44, 140, 141, 148, 149

## B

Banks, Camille, 73  
Being Alive, 13, 25

Benefits from engagement with poetry, 11, 25, 29, 34, 48, 117, 130, 134  
Berryman, Donna, 77  
Betteridge's Law of Headlines, 54  
Biases, 20, 133  
Bird migration patterns, 37  
Blogs, 2, 8, 18, 20, 34, 44, 86, 87  
Bowater, Laura, 7  
British Educational Research Association (BERA), 98  
Brown, Daniel, 7  
Buiter, Susanne, 111

## C

Caesuras, 42  
Cape Farewell, 153  
Capital letters, use of, 36  
Case studies 161, 140, 142, 144, 145, 149, 150, 157, 162  
Catching a Wave (installation), 153  
Categories of codes, 52, 53, 62–66, 72, 87, 88, 90, 98, 101, 102, 111  
Cento using lines from poems by others, 81  
A Change of climate, 66, 68, 71  
Chicago Botanic Garden, 158  
Clanchy, Kate, 175  
Cleaning of data, 58, 64, 68, 73  
Climate change  
    adaptation and mitigation efforts, 67, 70, 71, 73–76  
    attitude of helplessness towards, 67, 72  
    poets' interpretation of, 18, 76  
Climate', use of the term, 54  
Codebooks, 64, 65, 73, 77, 94, 98, 101  
Coders, multiple, 64, 93

- Coding  
 dual, 98  
 Coding buddies, 77  
 Collaboration between scientists and poets  
 types of, 48, 117, 169  
 Collaborators, finding of, 158, 160  
 Communities and community contacts, 44  
 Community Engagement in Science  
 Through Art (CESTA) programme,  
 153  
 Companies running poetry events, 46  
 Competitive endeavour, 84  
 ConciliARTE, 164, 166  
 Conferences, 1, 96–99, 101–105, 107, 108,  
 110, 112–114, 117, 118  
 Confidence-building, 21, 25, 33, 35, 41, 46,  
 134. *See also* self-confidence  
 Conley, Michael, 68, 75  
 Consilience (journal), 162–166  
 Construction of poetry from pre-existing  
 data, 81, 120  
 Contact details, 114, 167  
 Contact-making, 103, 104  
 Content analysis  
 conventional, 52, 53  
 poetic, 4, 51, 53, 54, 56, 59, 60, 62,  
 64–67, 71, 73, 76–78, 81, 82, 87  
 qualitative, 51–53, 63, 98–100, 102, 111  
 worked example of, 66  
 Conventional approaches to analysis, 52, 53  
 Copyright, 15, 85, 86, 103, 104, 106, 108,  
 109, 113  
 Cotterill, Emily, 69, 75  
 Couplets, 38  
 COVID-19 pandemic, 112  
 Created data, 85  
 Creatives, 95, 114, 117, 131, 132, 153–155,  
 159, 160, 163, 164, 166, 168  
 Creativity, 7, 11, 21, 30, 42, 95, 169  
 Crossover learning, 169  
 Cultural awareness and sensitivity, 12, 120,  
 122, 123, 142  
 Cut-up using fragments of text, 81
- D**  
 Dahlstrom, Michael, 48  
 Databases of poetry, 55  
 Data depositories, 85  
 Dawson, Emily, 48  
 Dead Zone Arranged by People', The, 74  
 Deficit model' of scientists and  
 non-scientists, 1
- Dialogue between audiences, 150  
 Diary-keeping, 173  
 Dictionaries  
 rhyming, 37  
 Didactic poetry, 42  
 Digital literacy, 121, 131, 166  
 Directed approaches to analysis, 52  
 Dissemination of scientific findings, 2, 4  
 Dobson, Julian, 75  
 Documentation of processes, 73, 87, 94  
 Dual coding, 98
- E**  
 Early Career Researchers (ECRs), 112, 128  
 Echo chamber effects, 117  
 Edinburgh Napier University, 2  
 Editing of poetry, 42–44, 95, 110, 146  
 Edwards, David, 169  
 Emergent narratives, 72, 81, 83, 86, 90–93,  
 96, 101, 102, 107, 109–111  
 Emotional aspects of a subject, 118  
 England: poems from a School, 175  
 English language, 13, 23, 54  
 Enjambments, 32, 42  
 Environmental Justice Foundation, 68  
 Epistemology, 51  
 Erasure of some elements of text, 81  
 Eschaton, 72, 74  
 Ethical considerations and ethics approval,  
 121, 122, 142  
 Etter, Carrie, 70  
 European Commission, 153  
 European Geosciences Union (EGU),  
 97–100, 102–105, 113, 114  
 Evolution of collaboration, 140, 156, 161,  
 169  
 Exclusivity of science communication, 1,  
 171  
 Exercises  
 at workshops, 124  
 in the present book, 6, 124  
 Exhibitions, 166, 167  
 Expeditions, 20, 153  
 Experiential learning, 137  
 Experimental Words project, 158, 161  
 Experts and non-experts, 148
- F**  
 Facebook, 44, 86, 98, 120, 164  
 Facilitators for workshops, 132–135, 137,  
 145, 146  
 Familiarity with a subject, 4, 132

Faulkner, Sandra L, 82, 115  
 Favourite science and poetry, 7, 8, 25, 175  
 Feedback, 42–44, 83, 94, 96, 103, 104, 106,  
 107, 111, 114, 119, 120, 124, 125,  
 129, 130, 134, 135, 138–140, 148,  
 151, 156, 159–163, 165–167, 176  
 Feet, 38  
 Feinstein, Elaine, 175  
 Finding poems, 13, 14  
 Fishy Traits, 15, 18  
 Flood risk, 117  
 Focus groups, 52, 117  
 Formatting, 31, 32, 38  
 Found poetry, 81  
 Found poetry review, 115  
 Framing, 5, 41, 109, 114, 154  
 Free verse, 42, 128  
 Fry, Stephen, 25, 42, 48  
 Further study' sections in the present book,  
 4, 7, 26, 77, 115, 169

## G

Genetically-modified crops, 119  
 Gibbs, G., 136, 137  
 Gibson, Hazel, 98, 101, 111  
 Glesne, Corrine, 81  
 Goldberg, Kim, 75  
 Google Docs and Google Sheets, 61  
 Google Forms, 138  
 Google Workspace, 164  
 Goswami, Amlaniyoti, 74  
 Goudarzi, Sara, 43  
 Grammar corrections, 91  
 Grant applications, 156  
 Ground rules, 124, 135  
 Grouping of codes, 62

## H

Hate Socialist Collective, 154  
 Hopefulness, 75  
 HUFF' mnemonic, 134  
 Humbleness, 135

## I

Iambic pentameters, 38, 39  
 Iambs, 38  
 Identifying information, 83, 98, 110, 115  
 Identity, 12, 17, 119, 136, 175  
 I Have Loved Coal, 70  
 Illingworth, Sam (author), 2, 16, 101  
 Imagery, 35

Imposter syndrome, 173  
 Incubation period, 11, 24–26, 173  
 Informed consent, 56, 57, 94, 122–124,  
 128, 129, 139, 143, 144, 146  
 Inspiration, 5, 33, 150, 163, 169, 174  
 Instagram, 44, 98, 164, 176  
 Intellectual property, 85, 86  
 Interdisciplinarity, 1, 5, 66, 77, 153–156,  
 158, 159, 164, 166, 168, 169, 171,  
 174  
 Internet, The, 8, 13, 47, 130  
 Interpretation  
 subjectivity of, 65  
 Interpretivism, 51, 52  
 Invisible Dust, 153

## J

Jargon, 53  
 Journals for poetry, 162, 164, 167. *See also*  
 Consilience

## K

Karner Blue, 70  
 Keys of the Piano, The, 75  
 Knowledge, creation of, 6  
 Kolb, D.A., 137  
 Kyrielle form, 36, 37, 39, 41, 48

## L

Labelling, 53, 59  
 Learning experiences, 139, 149, 154, 168  
 Learning to listen, 36  
 Leeward Islands', 73  
 Letterlocking, 30  
 Liking or disliking of poems, 17, 125, 176  
 Line breaks, 32, 42, 91, 105  
 Lines of poetry  
 ordering of, 105  
 removal of, 92, 95, 109  
 Listening, 3, 30, 40, 46, 99, 146, 157, 161,  
 162  
 Literature on research, 45, 55, 64–66, 73,  
 81, 104, 150  
 Litmus (publication), 13  
 Lived experience, 3, 8, 12, 17, 18, 20, 53,  
 59, 63, 84, 95, 118, 140, 141, 147,  
 148, 172

## M

Mailing lists, 44, 56, 121

- Manifestos for poetic collaboration, 154–158, 163, 168, 169  
 Massachusetts Institute of Technology (MIT), 153  
 McLeish, Tom, 7  
 Meaning units in text, 53, 59  
 Mental health, 11, 141  
 Metaphors, use of, 58, 77  
 Methodology as distinct from methods, 51  
 Metre, 30, 31, 38, 42, 48  
 Midgley, Mary, 7  
 Mikhalevich, Alla-Valeria, 74  
 Mill, John Stuart, 30  
 Missing data, 85, 87, 107  
 Moorhead, Marjorie, 76  
 Multiple audiences, 47, 53  
 Multiple facilitators, 133, 135  
 Murphy, K., 137  
 Music, enjoyment of, 3
- N**
- Nabhan, Gary Paul, 168  
 Nabokov, Vladimir, 70  
 Narrative appropriateness, 83, 87  
 Networks and networking, 100, 102  
 Next steps, 58, 59, 62, 68, 90  
 Nisbett, Matthew, 48  
 Noel–Tod, Jeremy, 175  
 NVivo software, 61
- O**
- Objectives of projects, 142, 155  
 Ode Less Travelled, The, 25, 42, 48  
 Online communication, 94  
 Ontology, 51  
 Open data policy, 85  
 Open Forum Conference, 7  
 Open mic' events, 46, 47, 49, 167  
 Open Science Repository, 154  
 Original poetry, 55, 57, 68  
 Oxford English Dictionary, 30
- P**
- Pantoum form, 39–41, 48  
 Partnership between scientists and poets, 117  
 Payments for participation, 155, 156  
 Pedagogical practice, 137  
 Penguin Book of the Prose Poem, The, 175  
 Performance of poetry, 155  
 Periodicals on poetry, 13  
 Phenomenology, 52  
 Planning of projects, 119, 137, 139  
 Platforms, 4, 13, 44, 46, 67, 86, 98, 117, 163–165  
 Podcasts, 20, 44, 46  
 Poems, definition of, 30  
 Poetic form, 21–24, 35–37, 39, 41, 42, 47, 48, 81, 132, 173  
 Poetic inquiry, 81, 82, 115, 117, 149, 172, 174, 176  
 Poetic prose, 30  
 Poetry  
   enjoyment of, 149  
   for everyone, 3, 154, 171  
   links with science, 16, 29  
 Poetry of Science (blog), The, 13, 17  
 Poetry slams, 46–48, 161, 167  
 Poets  
   prior knowledge of, 17  
 Popper, Karl, 154  
 Positionality of the workshop organiser, 133, 142  
 Positivism, 51  
 Prendergast, Monica, 82  
 Prose poems, 30, 175  
 Publics  
   and the general public, 44, 119  
 Public-sphere data, 85
- Q**
- A Quark for Mister Mark, 13  
 Qualitative data, 51, 59, 61, 77, 81, 82, 85  
 Quatrains, 36–39, 41
- R**
- Radical democracy, 154  
 Radon, 43  
 Rankine, Claudia, 175  
 Reading, Analysing, Writing (RAW)  
   approach to poetry, 11, 29, 124  
 Reading poetry, 14, 45  
 Recruitment of audience members, 94, 120  
 Redacted information, 56, 57, 83  
 Reflection, process of, 136  
 Reformatting, 32  
 Refrains, 36, 37, 40  
 Reliability, definition of, 64  
 Reparation, 156  
 Repeating lines in poetry, 39, 40  
 Research on the relationship between science and poetry, 2. *See also* literature on research

Research questions  
 formulation of, 66, 96

Rewards for participants, 156. *See also*  
 benefits from engagement with  
 poetry; payments for participation

Rewards for participants, 156. *See also*  
 benefits from engagement with  
 poetry; payments for participation

Rhyme and rhyming patterns, 36

Rhythm; innate sense of, 42

Rich, Adrienne, 16

Richards, I.A., 7

Richardson, Laurel, 81

Risks and risk assessment, 131, 132

Rogers, Carl, 48

Routledge Handbook of Public  
 Communication of Science and  
 Technology, 7

Rushdie, Salman, 3

Russell–Einstein Manifesto (1955), 154

**S**

Sacrificial poets, 47

Safeguarding, 56, 122, 124, 143

Safe space, 118

Sandburg, Carl, 16

Sansom, Peter, 48

Saturation, 59, 61, 62, 64, 65, 72, 73, 87,  
 90, 93, 98, 111

Scaffolding, 21, 25, 30, 41

Scheufele, Dietram, 48

Science  
 diversification of, 1–3, 6, 153, 171, 174,  
 176  
 exploration of, 164  
 seen as a tool, 17, 77

Science and Poetry Cafe, 166, 167

Science Ceilidh, 153

Science communication  
 inward-facing or outward-facing, 1  
 practitioners of, 5  
 researchers on, 5  
 use of the term, 82

Science slam, 161

Scientists, 1, 4, 5, 7, 11–13, 25, 35, 66, 67,  
 76, 95, 97, 98, 100, 102–104, 112,  
 117–119, 126, 127, 136, 140,  
 143–146, 153–162, 164, 168, 169,  
 172, 174

Sciku Project, The, 13

Secondary data source, 86

Sensitive information, 56

Sestinas, 41, 48

SETI Institute, 154

Shadow Poetry (website), 48

Shakespearean sonnets, 37–39, 41, 48

Sharing of poems, 83, 96, 134

Shelley, Percy Bysshe, 16

Simpson, Dan, 68, 157

Skills, development of, 35, 44, 47, 114,  
 150, 161, 165, 173

SLAG<sup>7</sup> (poem), 70, 75

Specific, Measurable, Achievable, Realistic  
 and Time-bound (SMART)  
 objectives, 119, 141

Smith, Marc, 48

Social media, 34, 44, 46, 56, 86, 94, 98,  
 114, 121, 164–167, 169, 176

Sonnets, 7, 25, 37

SoundCloud, 46, 47

Sound of Shapes, The, 40

Space travel, 55

Spelling mistakes, 91

Spoken word poetry, 45–47

Stanzas, 36, 107, 109

S+T+Arts<sup>7</sup> initiative, 153

Statistical analysis, 52

Staying Alive, 13, 25

Stereotypes, 117, 118

Subjectivity, 58, 63, 64, 70

Submittable system, 45

Summative approaches to analysis, 52

Swimming Lesson, 71, 75

Synaesthesia, 40, 41

**T**

Talking to the Dead, 175

Theatre in relation to science, 2

Themes emerging, 52, 65

Theoretical perspectives, 51, 52, 54, 55, 58,  
 64, 76–78, 82, 84, 93, 115

Titles  
 for poems, 13, 43

TLC St Luke's, 140–145, 147–149

Topics to be written about, 51, 55, 56, 68

Transcription, poetic  
 core principles of, 82, 93, 95  
 with a twist, 115  
 method for, 82, 84, 96, 114  
 staged process of, 86, 87, 93, 111, 112  
 worked examples of, 4, 86, 114

Trust, building of, 124, 146

Trustworthiness, confirmation of, 63, 64,  
 73, 84, 93, 94, 102, 111

Twitter, 34, 44, 56, 86, 98, 164

Tzara, Tristan, 154

## U

Undergraduates, first-year, 54, 84

## V

Validity of findings, 64, 119

Virtual environments, 102. *See also* online communication

Voices, 3, 42, 45, 47, 48, 55, 56, 67, 68, 82, 83, 90, 93, 96, 110, 111, 124, 135, 141, 149, 157, 159, 162, 164, 167, 169, 172, 174–176

Volcanoes, 77

Voltas, 38, 39

Vulnerable groups, 56, 123, 140

Vygotsky, Lev, 132

## W

Wandering the Anthropocene, 76

We are no longer interested in the sea, 70, 75

Weather, 54

Websites, 13, 87, 167, 169

Whaling Away, 59, 60

When the Mangroves Disappeared, 14, 15, 17

Wood, Andrew Paul, 72, 74

Workshop sessions

evaluation of, 137–139, 147

evolution of, 140, 147

exercises at, 132, 137, 140, 149–151, 174

legacy of, 135, 139, 149

logistics for, 130, 132, 144

outputs from, 139, 149

planning of, 119, 129, 137, 139

venues for, 121, 130

Writing of poems and science poetry

six-step guide to, 90

## Y

Yeoman, Kay, 7

YouTube, 53, 95

## Z

Zoom videoconferencing software, 167